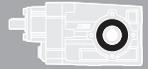


X22S Angletech Gear 443lb in

Rating - Aluminum HELICAL-BEVEL GEARBOXES



QUICK SELECTION / Selezione veloce input speed (n₁) = 1750 min⁻¹

Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [HP]	Output torque M _{2M} [lb in]	Service factor f.s.	Nominal power P _{1R} [HP]	Nominal torque M _{2R} [lb in]	Available NEMA motor flanges		Output Shaft 	Ratios code
							-W	-		
362	4.83	1	167	1.6	1.59	266	56C	-	standard ø0.750	01
237	7.40	1	256	1.0	1.04	266				02
183	9.58	1	331	1.1	1.07	354				03
159	10.98	1	380	1.0	1.05	398				04
134	13.07	0.75	339	1.2	0.88	398				05
119	14.66	0.75	380	1.0	0.79	398				06
111	15.79	0.75	410	1.0	0.73	398				07
104	16.81	0.75	436	0.9	0.69	398				08
88	20.00	0.5	346	1.2	0.61	425				09
80	21.93	0.5	379	1.2	0.58	443				10
72	24.18	0.5	418	1.1	0.53	443				11
60	29.04	0.5	502	0.9	0.44	443				12
52	33.57	0.33	383	1.2	0.38	443				13
45.3	38.67	0.33	441	1.0	0.33	443				14
39.4	44.44	0.25	384	1.2	0.29	443				15
29.6	59.18	0.25	512	0.9	0.22	443				16
24.9	70.24	0.25*	607	0.7	0.18	443				17

The dynamic efficiency is 0.96 for all ratios * Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}
Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M_{2R}

A Motor Flanges Available Flange Motore Disponibili **B** Supplied with Reduction Bushing Fornito con Bussola di Riduzione **B** Available on Request without reduction bushing Disponibile a Richiesta senza Bussola di Riduzione **C** Motor Flange Holes Position Posizione Fori Flangia Motore

EN Unit X22S is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore X22S viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

E El reductor tamaño X22S se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	For these mounting position specify in the order or add oil					
	Per queste posizioni specificare in fase d'ordine o aggiungere olio					
B3	B6	B7	B8	V5	V6	V8
8.80 oz	8.80 oz	8.80 oz	8.80 oz	15.13 oz	10.91 oz	Ask
SHELL Omala S4 WE 320			ENI Telium VSF 320			

For all details on lubrication and plugs check our website tab. 1
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

$F_{eq} = F_R \cdot \frac{4.00}{X+3.22}$

F_R (lb)
 F_A (lb)

F_{eq} (lb)

n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR
400	81	405	100	99	495	25	99	495
250	85	427	75	99	495	15	99	495
150	94	472	50	99	495			

F_R On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata

n ₁ [min ⁻¹]	FA	FR
1750	31	157
1140	36	180

*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

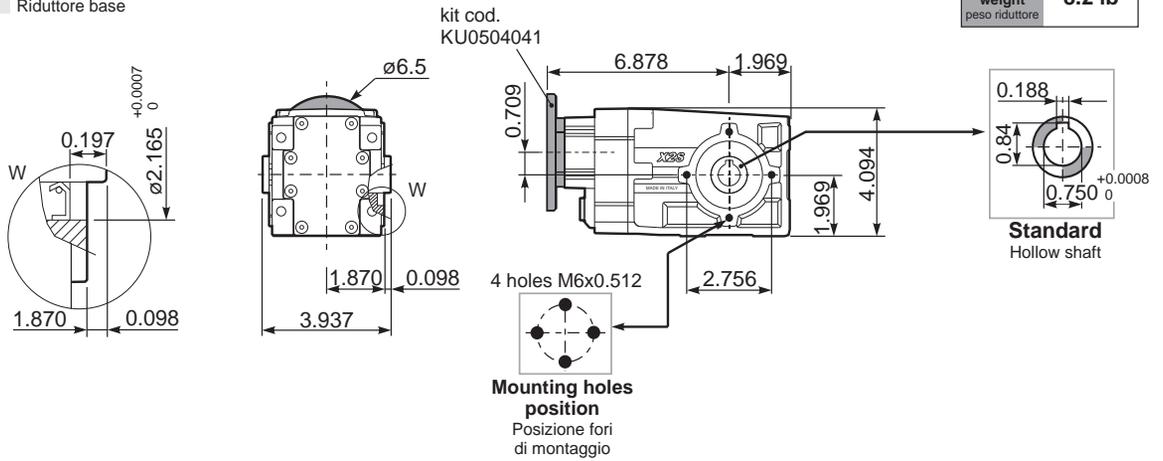
tab. 2

3D dimensions on the Web

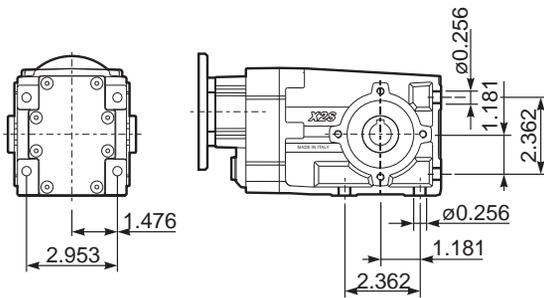
Angletech Gear **443lb in X22S**

PX22SC... Basic Gearbox
Riduttore base

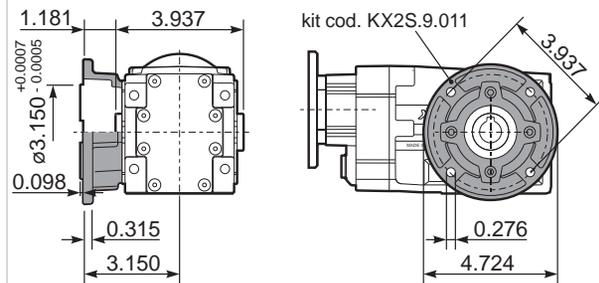
Gearbox weight
peso riduttore **8.2 lb**



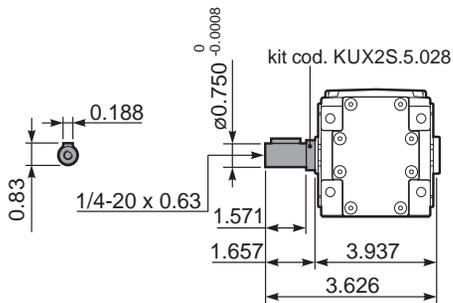
PX22S..-N.. Feet
Piedini



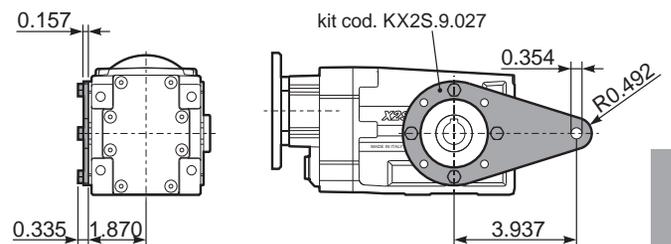
PX22S-F1.. Output flange
Flangia uscita



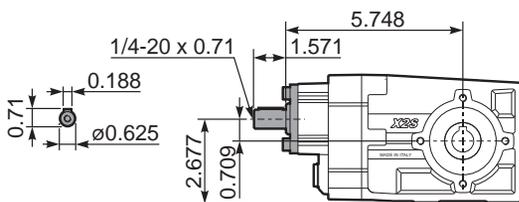
PX22S..A.. Single output shaft
Albero semplice in uscita



PX22SBR.. Reaction Arm
Braccio di reazione



RX22S.. Input shaft
Albero in entrata



X32S Angletech Gear 797lb in

Rating - Aluminum HELICAL-BEVEL GEARBOXES



QUICK SELECTION / Selezione veloce input speed (n₁) = 1750 min⁻¹

Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [HP]	Output torque M _{2M} [lb in]	Service factor f.s.	Nominal power P _{1R} [HP]	Nominal torque M _{2R} [lb in]	Available NEMA motor flanges		Output Shaft 	Ratios code
							-W 56C	-X 143/5 TC		
239	7.33	2	507	1.2	2.44	620			289	01
156	11.22	2	776	1.0	1.94	752			287	02
132	13.26	1.5	688	1.1	1.64	752			199	03
114	15.37	1.5	797	1.0	1.50	797			179	04
97	18.04	1.5	936	0.9	1.28	797			159	05
86	20.30	1	702	1.1	1.13	797			197	06
81	21.54	1	745	1.1	1.07	797			139	07
74	23.53	1	814	1.0	0.98	797			177	08
63	27.62	0.75	716	1.1	0.83	797			157	09
60	29.40	0.75	762	1.0	0.78	797			109	10
53	32.97	0.75	855	0.9	0.70	797			137	11
45.6	38.37	0.5	663	1.2	0.60	797			99	12
38.9	45.00	0.5	778	1.0	0.51	797			107	13
34.5	50.67	0.5	876	0.9	0.45	797			79	14
29.8	58.73	0.33	670	1.2	0.39	797			97	15
22.6	77.55	0.33	885	0.9	0.30	797			77	16

The dynamic efficiency is 0.96 for all ratios

Motor Flanges Available Flange Motore Disponibili
B) Supplied with Reduction Bushing Fornito con Bussola di Riduzione
B) Available on Request without reduction bushing Disponibile a Richiesta senza Bussola di Riduzione
C) Motor Flange Holes Position Posizione Fori Flangia Motore

EN Unit X32S is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore X32S viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

E El reductor tamaño X32S se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
14.08 oz	21.12 oz	14.08 oz	21.12 oz	29.92 oz	21.12 oz	Ask
SHELL Omala S4 WE 320			ENI Telium VSF 320			

For all details on lubrication and plugs check our website tab. 1
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

- RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

$F_{eq} = F_R \cdot \frac{4.57}{X+3.79}$

n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR
250	90	450	75	126	629	15	126	629
150	101	506	50	126	629			
100	112	562	25	126	629			

F_R On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata

n ₁ [min ⁻¹]	FA	FR
1750	54	270
1140	63	315

***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

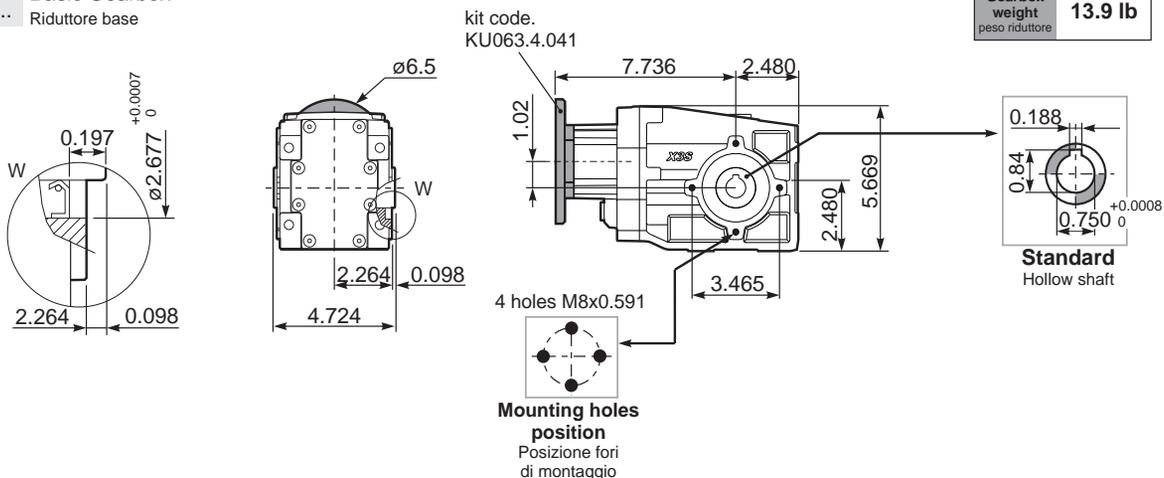
tab. 2

3D dimensions on the Web

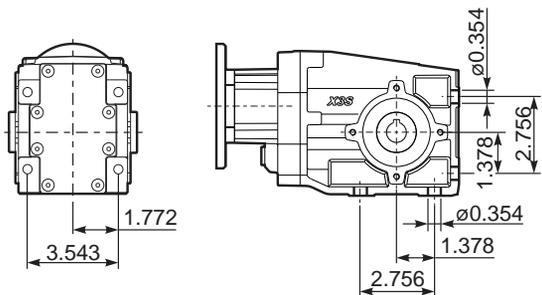
Angletech Gear
797lb in X32S

PX32SC... Basic Gearbox
Riduttore base

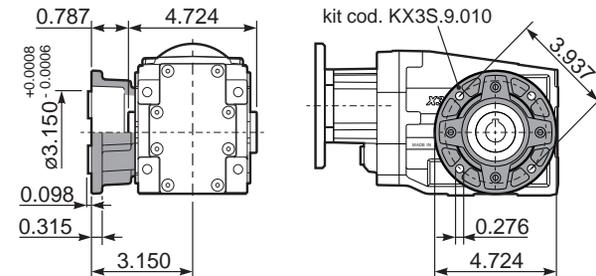
Gearbox weight
peso riduttore **13.9 lb**



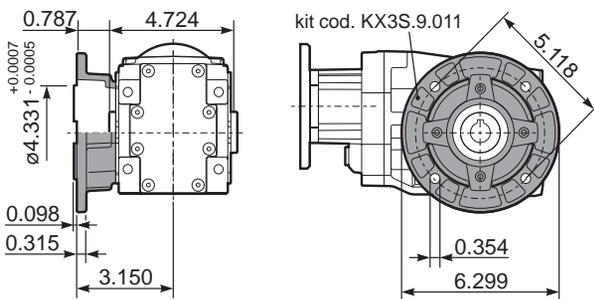
PX32S..-N.. Feet
Piedini



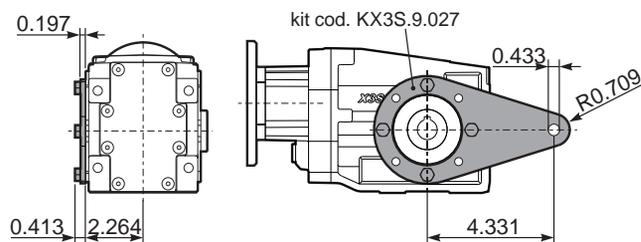
PX32S-F1.. Output flange
Flangia uscita



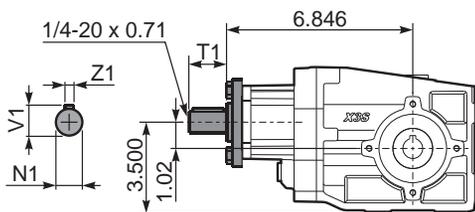
PX32S-F2.. Output flange
Flangia uscita



PX32SBR.. Reaction Arm
Braccio di reazione

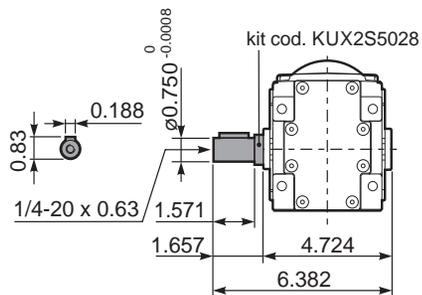


RX32S... Input shaft
Albero in entrata



Nema flanges	N1	T1	V1	Z1	kit code
Standard	0.750	1.97	0.83	0.188	KC40.5.070U
On request	0.625	1.57	0.71	0.188	KC40.5.069U

PX32S..A.. Single output shaft
Albero semplice in uscita



X33S Angletech Gear
885lb in

Rating - Aluminum
HELICAL-BEVEL GEARBOXES



QUICK SELECTION / Selezione veloce input speed (n₁) = 1750 min⁻¹

Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [HP]	Output torque M _{2M} [lb in]	Service factor f.s.	Nominal power P _{1R} [HP]	Nominal torque M _{2R} [lb in]	Available NEMA motor flanges				Output Shaft standard ø0.750	
							-W	-				
48.4	36.17	0.75	918	1.0	0.72	885	56C	-				02
39.6	44.21	0.5	748	1.2	0.59	885						03
34.5	50.68	0.5	858	1.0	0.52	885						04
31.6	55.36	0.5	937	0.9	0.47	885						05
29.0	60.31	0.33	674	1.3	0.43	885						06
26.6	65.88	0.33	736	1.2	0.40	885						07
24.2	72.25	0.33	807	1.1	0.36	885						08
22.0	79.64	0.33	890	1.0	0.33	885						09
19.0	92.31	0.25	781	1.1	0.28	885						10
18.3	95.65	0.25	810	1.1	0.27	885						11
17.3	101.23	0.25	857	1.0	0.26	885						12
13.7	127.37	0.25*	1078	0.8	0.21	885						13
11.6	151.16	0.25*	1279	0.7	0.17	885						14
9.8	178.46	0.25*	1511	0.6	0.15	885						15
8.3	211.79	0.25*	1793	0.5	0.12	885						16
7.6	231.37	0.25*	1958	0.5	0.11	885						17
6.4	273.16	0.25*	2312	0.4	0.10	885						18
5.4	324.18	0.25*	2802	0.3	0.08	885						19

The dynamic efficiency is 0.94 for all ratios * Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}
Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M_{2R}

- Motor Flanges Available**
Flange Motore Disponibili
- B) Supplied with Reduction Bushing**
Fornito con Bussola di Riduzione
- B) Available on Request without reduction bushing**
Disponibile a Richiesta senza Bussola di Riduzione
- C) Motor Flange Holes Position**
Posizione Fori Flangia Motore

EN Unit X33S is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore X33S viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

E El reductor tamaño X33S se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
24.64 oz	22.88 oz	14.08 oz	22.88 oz	33.44 oz	22.88 oz	Ask
SHELL Omala S4 WE 320			ENI Telium VSF 320			

For all details on lubrication and plugs check our website tab. 1
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

• RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

$F_{eq} = F_R \cdot \frac{4.57}{X+3.79}$

n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR
250	90	450	75	126	629	15	126	629
150	101	506	50	126	629			
100	112	562	25	126	629			

F_R On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata

n ₁ [min ⁻¹]	FA	FR
1750	31	157
1140	36	180

***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

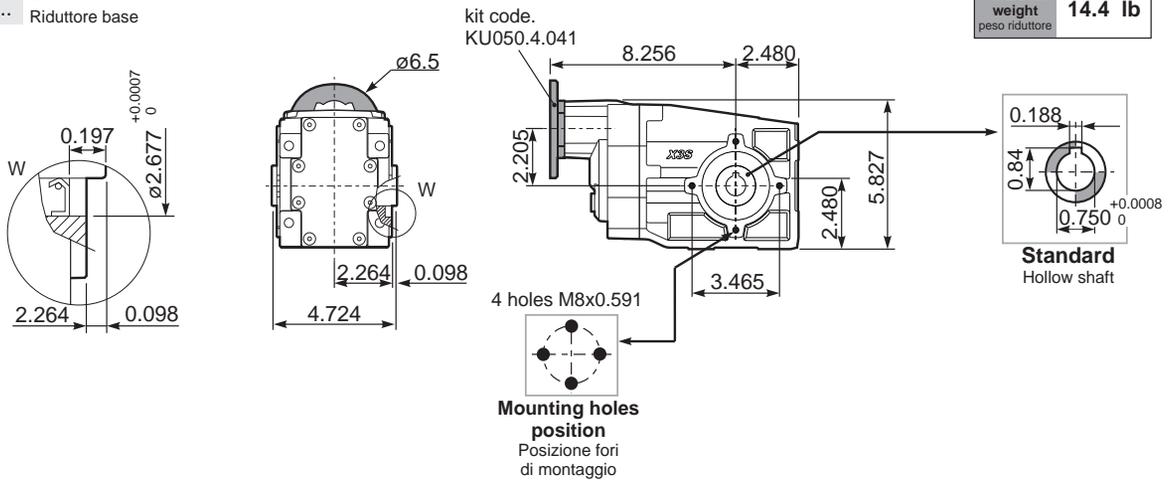
tab. 2

3D dimensions on the Web

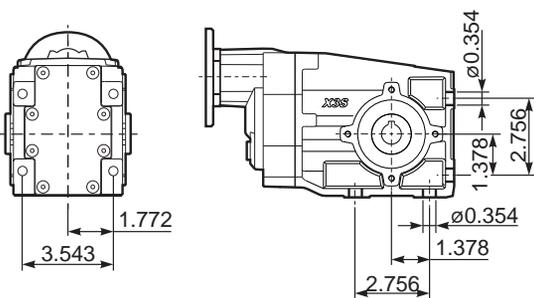
Angletech Gear
885lb in X33S

PX33SC... Basic Gearbox
Riduttore base

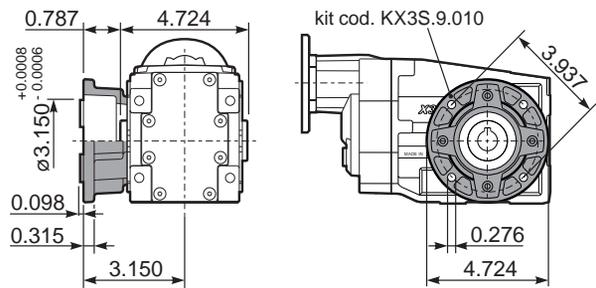
Gearbox weight
peso riduttore **14.4 lb**



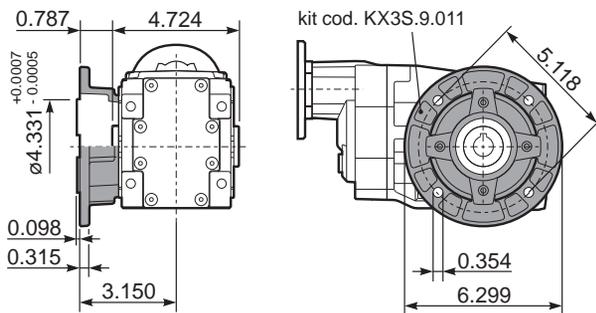
PX33S-N.. Feet
Piedini



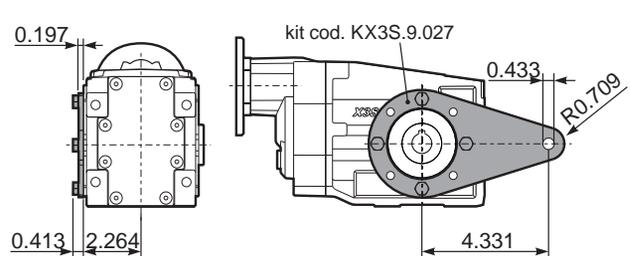
PX33S-F1.. Output flange
Flangia uscita



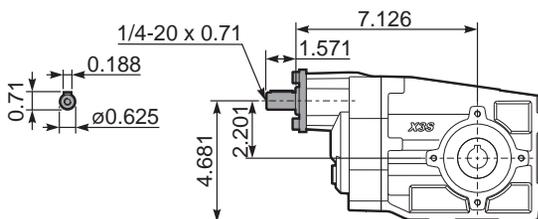
PX33S-F2.. Output flange
Flangia uscita



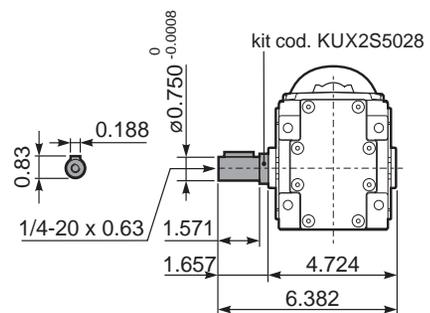
PX33SBR.. Reaction Arm
Braccio di reazione



RX33S... Input shaft
Albero in entrata

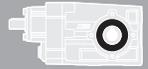


PX33S..A.. Single output shaft
Albero semplice in uscita



X42A Angletech Gear 1328lb in

Rating - Aluminum HELICAL-BEVEL GEARBOXES



■ QUICK SELECTION / Selezione veloce							input speed (n ₁) = 1750 min ⁻¹			
Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [HP]	Output torque M _{2M} [lb in]	Service factor f.s.	Nominal power P _{1R} [HP]	Nominal torque M _{2R} [lb in]	Available NEMA motor flanges		Output Shaft	
							-W	-X		
240	7.29	2	504	1.7	3.34	841	56C	143/5 TC	2811	01
156	11.20	2	774	1.7	3.43	1328			288	02
133	13.18	2	911	1.5	2.91	1328			1911	03
115	15.27	2	1056	1.3	2.51	1328			1711	04
98	17.93	2	1240	1.1	2.14	1328			1511	05
86	20.25	1.5	1050	1.3	1.90	1328			198	06
82	21.40	1.5	1110	1.2	1.79	1328			1311	07
75	23.47	1.5	1217	1.1	1.64	1328			178	08
64	27.55	1.5	1429	0.9	1.39	1328			158	09
60	29.21	1	1010	1.3	1.31	1328			1011	10
53	32.88	1	1137	1.2	1.17	1328			138	11
45.9	38.12	1	1318	1.0	1.01	1328			911	12
39.0	44.89	0.75	1164	1.1	0.86	1328			108	13
34.8	50.34	0.75	1305	0.9	0.67	1159			711	14
29.9	58.58	0.75	1519	0.9	0.66	1328			98	15
22.6	77.36	0.5	1337	1.0	0.50	1328			78	16

The dynamic efficiency is 0.96 for all ratios

- Motor Flanges Available Flange Motore Disponibili
- Supplied with Reduction Bushing Fornito con Bussola di Riduzione
- Available on Request without reduction bushing Disponibile a Richiesta senza Bussola di Riduzione
- Motor Flange Holes Position Posizione Fori Flangia Motore

EN Unit X42A is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore X42A viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

E El reductor tamaño X42A se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
21.12 oz	26.40 oz	17.60 oz	24.64 oz	38.71 oz	21.12 oz	Ask
SHELL Omala S4 WE 320			ENI Telium VSF 320			

For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

■ RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{4.75}{X+3.69}$					
n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR
250	112	562	75	180	899	15	216	1079
150	135	674	50	216	1079			
100	157	786	25	216	1079			
F_R On request taper roller bearings to increase radial loads. A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.								
Input shaft albero in entrata								
n ₁ [min ⁻¹]	FA	FR						
1750	54	270						
1140	63	315						
*Strong axial loads in the DX direction are not allowed. Non sono consentiti forti carichi assiali con direzione DX								

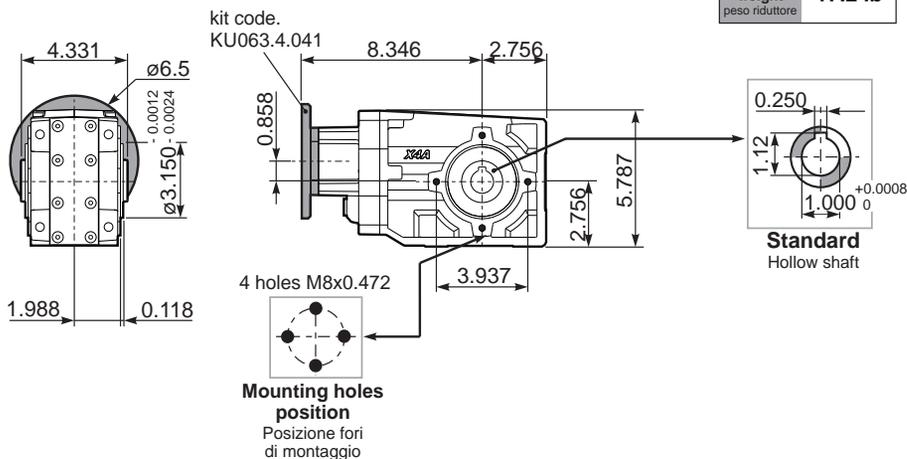
tab. 2

3D dimensions on the Web

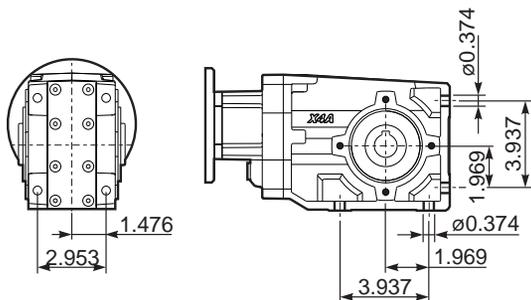
Angletech Gear
1328lb in X42A

PX42AC... Basic Gearbox
Riduttore base

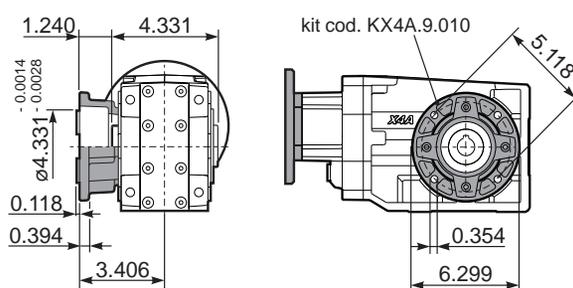
Gearbox weight
peso riduttore **17.2 lb**



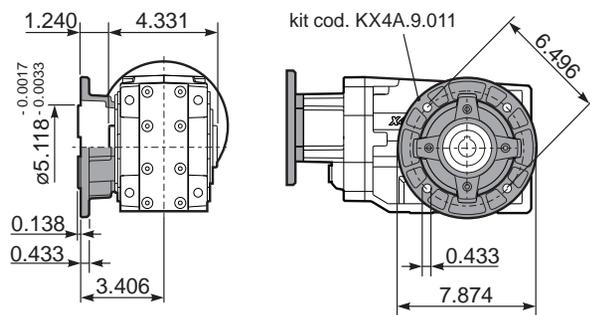
PX42A-N.. Feet
Piedini



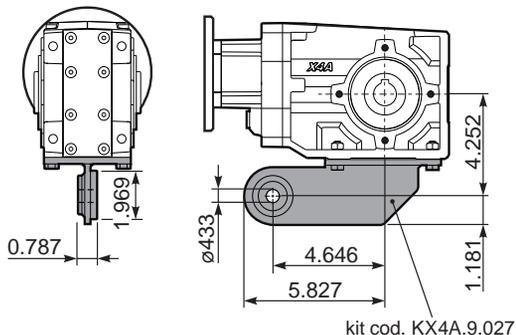
PX42A-F2.. Output flange
Flangia uscita



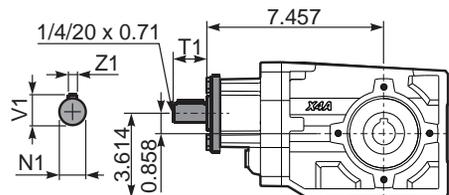
PX42A-F3.. Output flange
Flangia uscita



PX42A BR.. Reaction Arm
Braccio di reazione

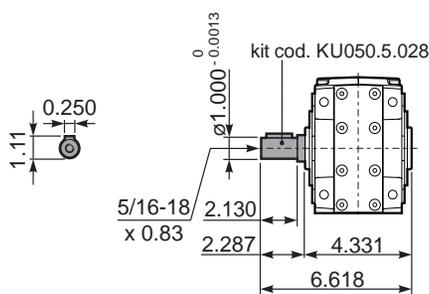


RX42A... Input shaft
Albero in entrata



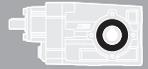
Nema flanges	N1	T1	V1	Z1	kit code
Standard	0.750	1.97	0.83	0.188	KC40.5.070U
On request	0.625	1.57	0.71	0.188	KC40.5.069U

PX42A..A.. Single output shaft
Albero semplice in uscita



X43A Angletech Gear 1416lb in

Rating - Aluminum HELICAL-BEVEL GEARBOXES



■ QUICK SELECTION / Selezione veloce							input speed (n ₁) = 1750 min ⁻¹					
Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [HP]	Output torque M _{2M} [lb in]	Service factor f.s.	Nominal power P _{1R} [HP]	Nominal torque M _{2R} [lb in]	Available NEMA motor flanges		Output Shaft		Ratios code	
							-W	-				
34.8	50.35	0.75	1278	1.0	0.78	1328	56C	-				01
31.7	55.22	0.75	1402	0.9	0.71	1328						02
29.2	59.92	0.75	1521	0.9	0.65	1328						03
26.6	65.72	0.5	1112	1.2	0.60	1328						04
24.4	71.78	0.5	1215	1.1	0.55	1328						05
22.0	79.44	0.5	1345	1.0	0.49	1328						06
19.0	92.08	0.33	1029	1.3	0.43	1328						07
18.4	95.03	0.33	1062	1.3	0.41	1328						08
13.8	126.55	0.33	1414	1.0	0.33	1416						09
13.1	133.15	0.25	1127	1.3	0.31	1416						10
11.7	150.18	0.25	1271	1.1	0.28	1416						11
9.9	177.30	0.25	1501	0.9	0.24	1416						12
8.3	210.42	0.25*	1781	0.8	0.20	1416						13
7.6	230.79	0.25*	1953	0.7	0.18	1416						14
6.4	272.47	0.25*	2306	0.6	0.15	1416						15
5.4	323.37	0.25*	2737	0.5	0.13	1416						16

The dynamic efficiency is **0.94** for all ratios * Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}
Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M_{2R}

- Motor Flanges Available** Flange Motore Disponibili
- B) Supplied with Reduction Bushing** Fornito con Bussola di Riduzione
- B) Available on Request without reduction bushing** Disponibile a Richiesta senza Bussola di Riduzione
- C) Motor Flange Holes Position** Posizione Fori Flangia Motore

EN Unit **X43A** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **X43A** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

E El reductor tamaño **X43A** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

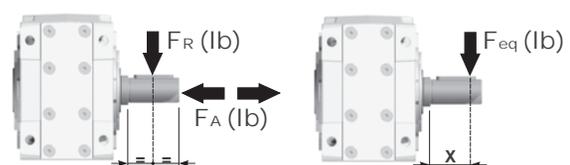
Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
28.16 oz	28.16 oz	21.12 oz	28.16 oz	42.23 oz	24.64 oz	Ask
SHELL Omala S4 WE 320			ENI Telium VSF 320			

For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

■ RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

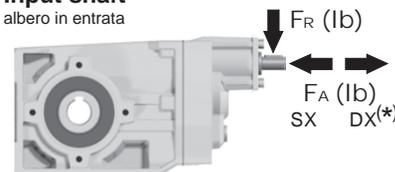
$F_{eq} = F_R \cdot \frac{4.75}{X+3.69}$



n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR
250	112	562	75	180	899	15	216	1079
150	135	674	50	216	1079			
100	157	786	25	216	1079			

F_R On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata



n ₁ [min ⁻¹]	FA [N]	FR [N]
1750	31	157
1140	36	180

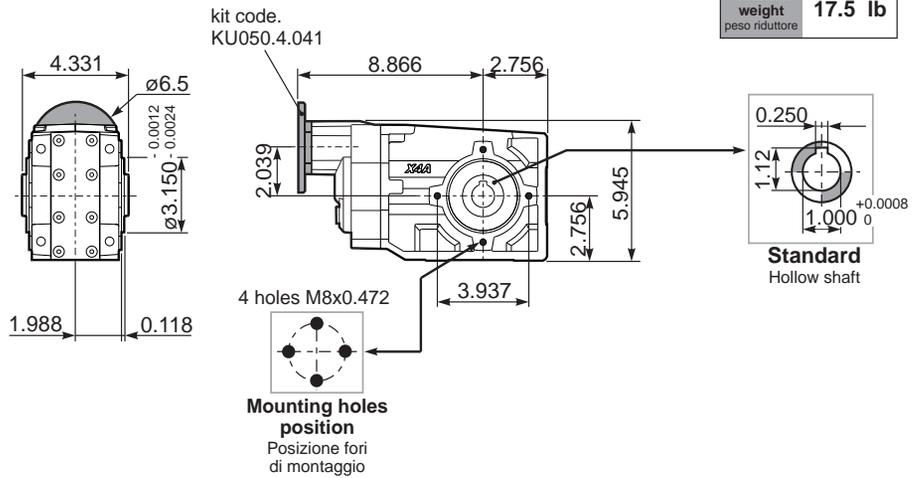
*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

3D dimensions on the Web

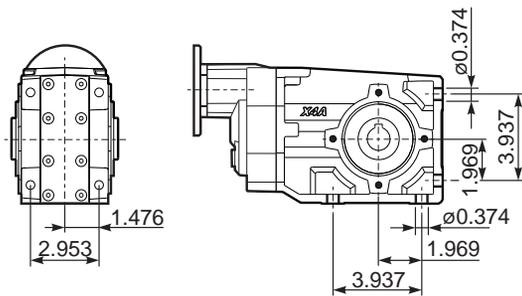
Angletech Gear
1416lb in X43A

PX43AC... Basic Gearbox
Riduttore base

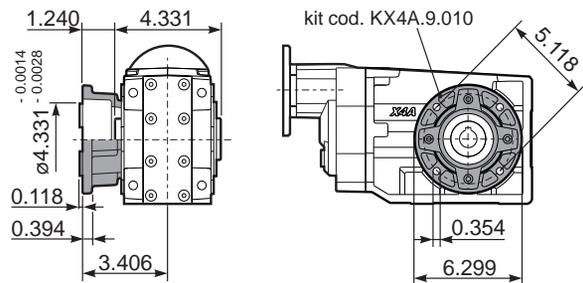
Gearbox weight
peso riduttore **17.5 lb**



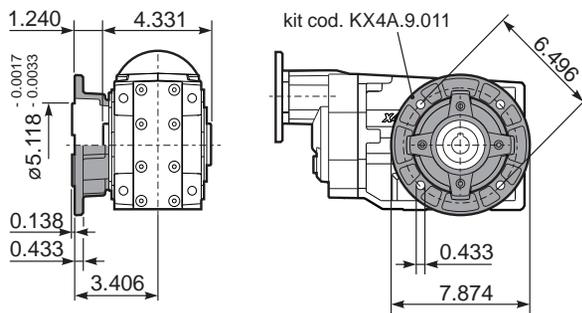
PX43A-N.. Feet
Piedini



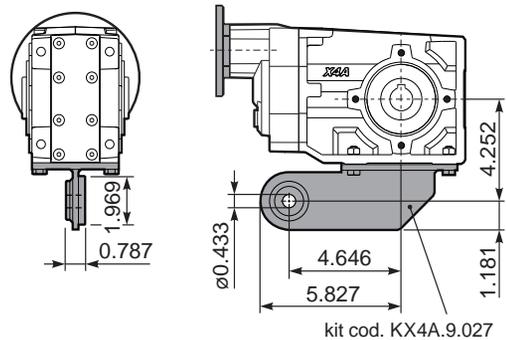
PX43A-F2.. Output flange
Flangia uscita



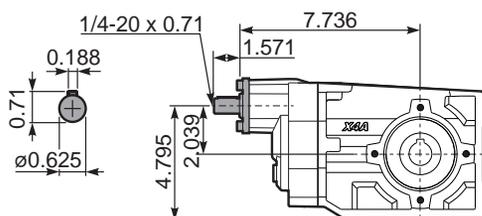
PX43A-F3.. Output flange
Flangia uscita



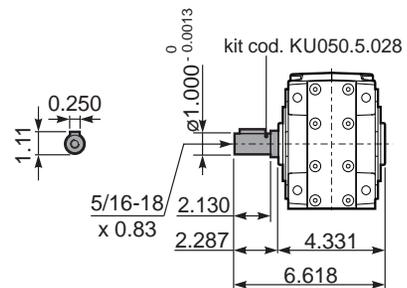
PX43A BR.. Reaction Arm
Braccio di reazione



RX43A... Input shaft
Albero in entrata



PX43A..A.. Single output shaft
Albero semplice in uscita



X52A Angletech Gear 2213lb in

Rating - Aluminum HELICAL-BEVEL GEARBOXES



QUICK SELECTION / Selezione veloce input speed (n₁) = 1750 min⁻¹

Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [HP]	Output torque M _{2M} [lb in]	Service factor f.s.	Nominal power P _{1R} [HP]	Nominal torque M _{2R} [lb in]	Available NEMA motor flanges			Output Shaft 	Ratios code
							-W	-X	-Y		
							56C	143/5TC	182/4TC		
290	6.03	5	1042	1.1	5.73	1195				3011	01
189	9.26	5	1601	0.9	4.28	1372				308	02
154	11.36	5	1964	1.0	5.18	2036				2011	03
114	15.36	3	1593	1.4	4.17	2213				1611	04
100	17.46	3	1811	1.2	3.67	2213				208	05
88	19.97	3	2072	1.1	3.20	2213				1311	06
74	23.60	3	2448	0.9	2.71	2213				168	07
72	24.45	3	2536	0.9	2.62	2213				1111	08
57	30.69	2	2122	1.0	2.09	2213				138	09
49.5	35.35	1.5	1834	1.2	1.81	2213				811	10
46.6	37.57	1.5	1948	1.1	1.70	2213				118	11
35.9	48.68	1	1683	1.3	1.31	2213				611	12
32.2	54.33	1	1878	1.2	1.18	2213				88	13
23.4	74.81	0.75	1940	1.0	0.72	1859				68	14

The dynamic efficiency is **0.96** for all ratios

Motor Flanges Available Flange Motore Disponibili
Supplied with Reduction Bushing Fornito con Bussola di Riduzione
Available on Request without reduction bushing Disponibile a Richiesta senza Bussola di Riduzione
Motor Flange Holes Position Posizione Fori Flangia Motore

EN Unit X52A is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore X52A viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

E El reductor tamaño X52A se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
31.68 oz	52.79 oz	26.40 oz	49.27 oz	68.63 oz	40.47 oz	Ask
SHELL Omala S4 WE 320			ENI Telium VSF 320			

For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

$$F_{eq} = F_R \cdot \frac{5.76}{X+4.51}$$

n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR
250	135	674	75	184	921	15	373	1866
150	157	787	50	216	1079			
100	180	899	25	303	1517			

F_R On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata

n ₁ [min ⁻¹]	FA	FR
1750	101	506
1140	112	562

***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

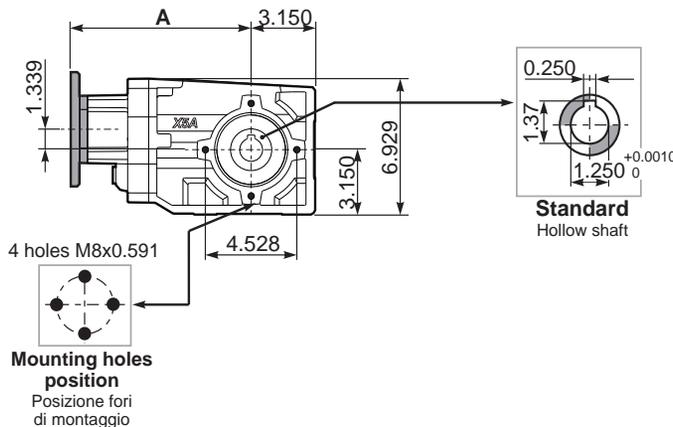
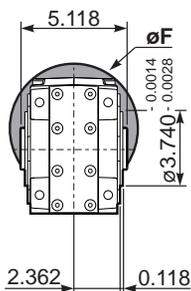
3D dimensions on the Web

Angletech Gear
2213lb in X52A

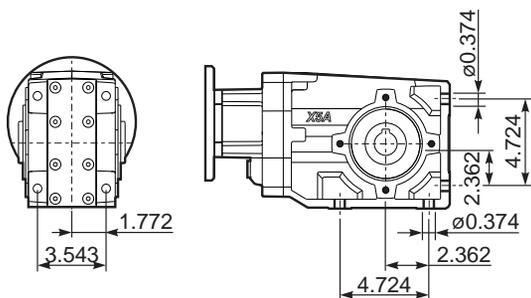
PX52AC... Basic Gearbox
Riduttore base

Gearbox weight
peso riduttore **28.2 lb**

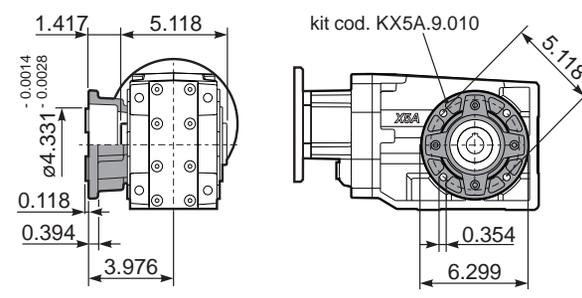
Nema flange	A	øF	kit code
56C-143/5TC	9.469	6.50	KU085.4.041
182/4TC	10.173	8.88	KU085.4.042



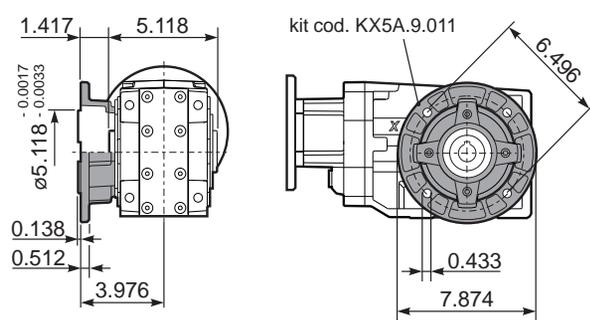
PX52A-N.. Feet
Piedini



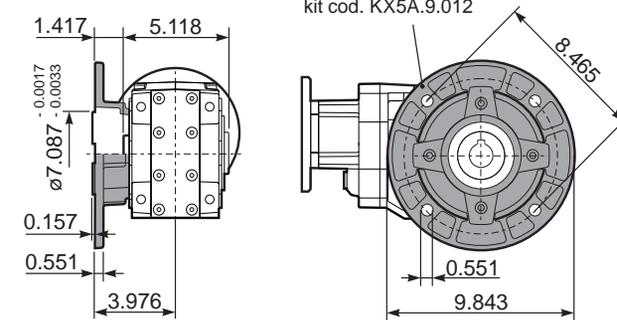
PX52A-F2.. Output flange
Flangia uscita



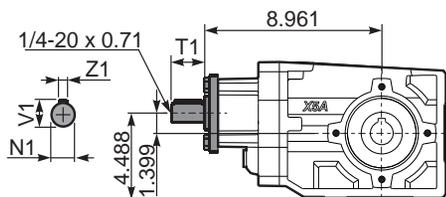
PX52A-F3.. Output flange
Flangia uscita



PX52A-F4.. Output flange
Flangia uscita

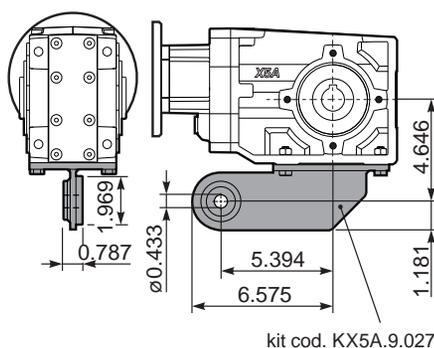


RX52A... Input shaft
Albero in entrata

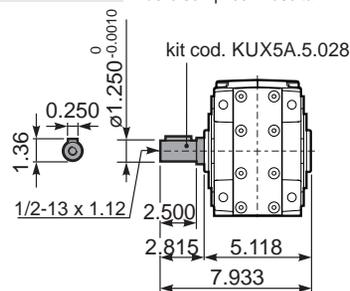


Nema flanges	N1	T1	V1	Z1	kit code
Standard	0.875	1.97	0.96	0.188	KC50.5.070U
On request	0.750	1.97	0.83	0.188	KC50.5.069U

PX52A BR.. Reaction Arm
Braccio di reazione

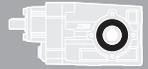


PX52A..A.. Single output shaft
Albero semplice in uscita



X53A Angletech Gear 2213lb in

Rating - Aluminum HELICAL-BEVEL GEARBOXES



QUICK SELECTION / Selezione veloce input speed (n₁) = 1750 min⁻¹

Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [HP]	Output torque M _{2M} [lb in]	Service factor f.s.	Nominal power P _{1R} [HP]	Nominal torque M _{2R} [lb in]	Available NEMA motor flanges		Output Shaft	Ratios code
							-W	-X		
							56C	143/5 TC		
30.8	56.76	1	1922	1.2	1.15	2213			standard ø1.250	01
26.6	65.79	1	2227	1.0	0.99	2213				02
22.7	77.23	0.75	1961	1.1	0.85	2213				03
20.1	87.23	0.75	2215	1.0	0.75	2213				04
19.0	92.18	0.75	2341	0.9	0.71	2213				05
17.4	100.47	0.5	1701	1.3	0.65	2213				06
15.0	116.45	0.5	1971	1.1	0.56	2213				07
13.9	125.82	0.5	2130	1.0	0.52	2213				08
12.4	141.66	0.5	2398	0.9	0.46	2213				09
10.7	163.16	0.33	1823	1.2	0.40	2213				10
9.8	178.96	0.33	1999	1.1	0.37	2213				11
9.1	193.36	0.33	2160	1.0	0.34	2213				12
8.1	216.84	0.25	1835	1.2	0.30	2213				13
6.9	252.36	0.25	2136	1.0	0.26	2213				14
6.0	290.67	0.25	2460	0.9	0.22	2213				15
5.3	333.23	0.25*	2820	0.8	0.20	2213				16
4.6	383.82	0.25*	3249	0.7	0.17	2213				17
3.9	446.70	0.25*	3781	0.6	0.15	2213				18
3.0	589.85	0.25*	4992	0.4	0.11	2213				19

The dynamic efficiency is **0.94** for all ratios * Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}
Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M_{2R}

Motor Flanges Available Flange Motore Disponibili
 Supplied with Reduction Bushing Fornito con Bussola di Riduzione
 Available on Request without reduction bushing Disponibile a Richiesta senza Bussola di Riduzione
 Motor Flange Holes Position Posizione Fori Flangia Motore

EN Unit X53A is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore X53A viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

E El reductor tamaño X53A se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied For these mounting position specify in the order or add oil
Per queste posizioni specificare in fase d'ordine o aggiungere olio

B3	B6	B7	B8	V5	V6	V8
45.75 oz	54.55 oz	29.92 oz	51.03 oz	73.91 oz	43.99 oz	Ask

SHELL Omala S4 WE 320 ENI Telium VSF 320

For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

$F_{eq} = F_R \cdot \frac{5.76}{X+4.51}$

n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR
250	135	674	75	184	921	15	373	1866
150	157	787	50	216	1079			
100	180	899	25	303	1517			

F_R On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata

n ₁ [min ⁻¹]	FA [N]	FR [N]
1750	90	450
1140	99	495

*Strong axial loads in the DX direction are not allowed.
Non sono consentiti forti carichi assiali con direzione DX

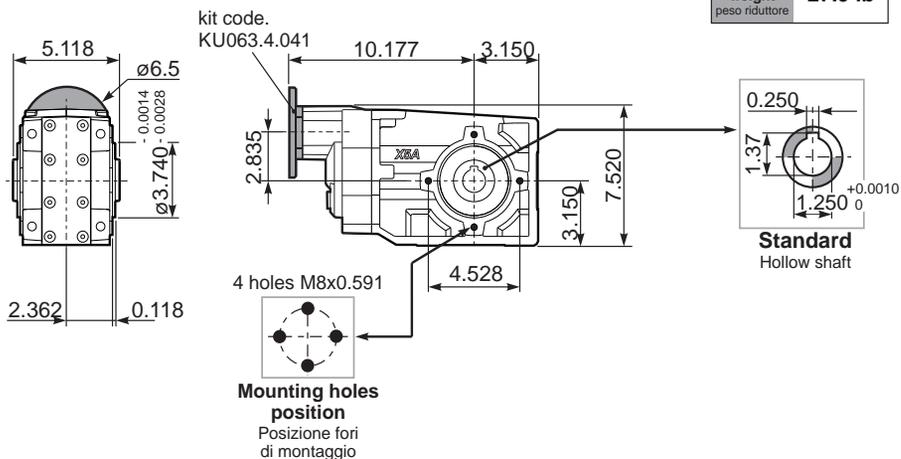
tab. 2

3D dimensions on the Web

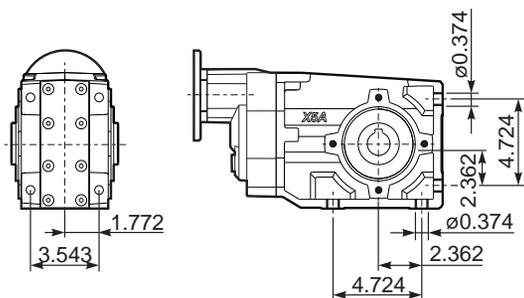
Angletech Gear
2213lb in X53A

PX53AC... Basic Gearbox
Riduttore base

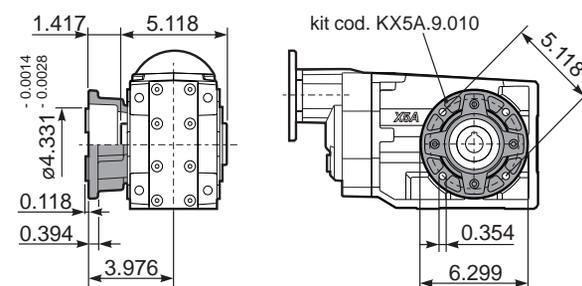
Gearbox weight
peso riduttore **27.9 lb**



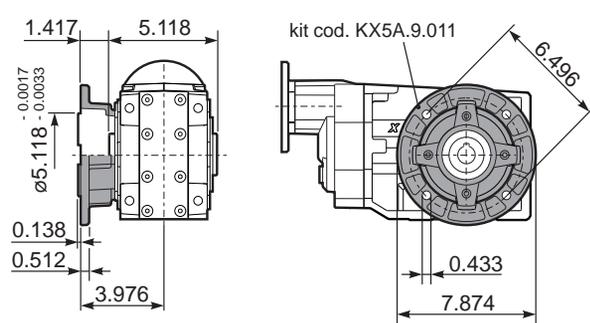
PX53A-N.. Feet
Piedini



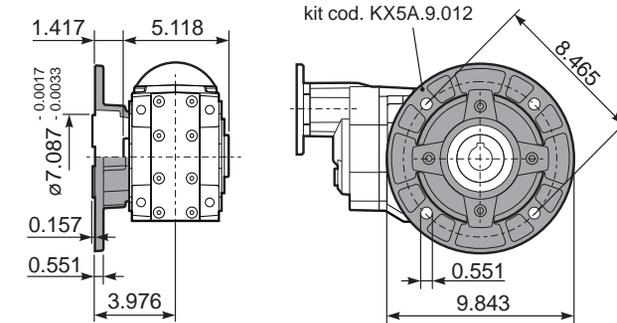
PX53A-F2.. Output flange
Flangia uscita



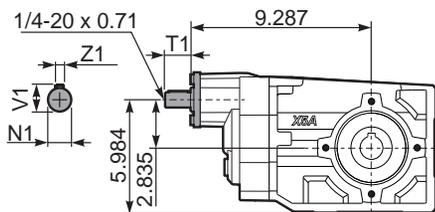
PX53A-F3.. Output flange
Flangia uscita



PX53A-F4.. Output flange
Flangia uscita

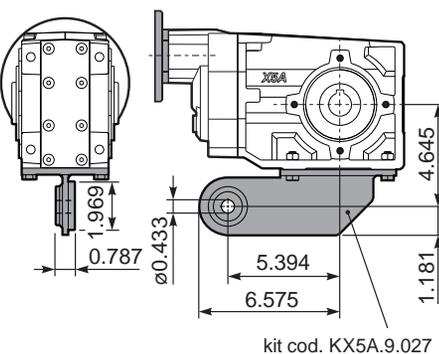


RX53A... Input shaft
Albero in entrata

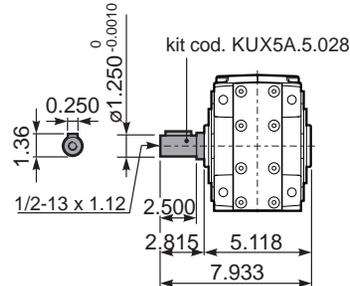


Nema flanges	N1	T1	V1	Z1	kit code
Standard	0.750	1.97	0.83	0.188	KC40.5.070U
On request	0.625	1.57	0.71	0.188	KC40.5.069U

PX53A BR.. Reaction Arm
Braccio di reazione

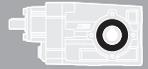


PX53A..A.. Single output shaft
Albero semplice in uscita



X62A Angletech Gear 3629lb in

Rating - Aluminum HELICAL-BEVEL GEARBOXES



QUICK SELECTION / Selezione veloce input speed (n₁) = 1750 min⁻¹

Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [HP]	Output torque M _{2M} [lb in]	Service factor f.s.	Nominal power P _{1R} [HP]	Nominal torque M _{2R} [lb in]	Available NEMA motor flanges				Output Shaft 	Ratios code
							-W	-X	-Y	AA		
							56C	143/5TC	182/4TC	213/5TC		
290	6.03	10	2084	1.0	10.19	2124					3011	01
189	9.26	7.5	2402	1.0	7.46	2390					308	02
154	11.36	7.5	2946	1.1	7.89	3098					2011	03
114	15.36	5	2655	1.3	6.42	3408					1611	04
100	17.46	5	3018	1.2	5.87	3540					208	05
88	19.97	5	3453	1.1	5.25	3629					1311	06
74	23.60	5	4080	0.9	4.45	3629					168	07
72	24.45	5	4226	0.9	4.29	3629					1111	08
57	30.69	3	3184	1.1	3.42	3629					138	09
49.5	35.35	3	3667	1.0	2.97	3629					811	10
46.6	37.57	3	3897	0.9	2.79	3629					118	11
35.9	48.68	2	3366	1.0	1.92	3231					611	12
32.2	54.33	2	3757	1.0	1.93	3629					88	13
23.4	74.81	1	2587	1.2	1.23	3186					68	14

The dynamic efficiency is **0.96** for all ratios

Motor Flanges Available Flange Motore Disponibili
Supplied with Reduction Bushing Fornito con Bussola di Riduzione
Available on Request without reduction bushing Disponibile a Richiesta senza Bussola di Riduzione
Motor Flange Holes Position Posizione Fori Flangia Motore

EN Unit X62A is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore X62A viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

E El reductor tamaño X62A se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	For these mounting position specify in the order or add oil					
	Per queste posizioni specificare in fase d'ordine o aggiungere olio					
43.99 oz	59.83 oz	33.44 oz	56.31 oz	86,23 oz	52.79 oz	Ask
SHELL Omala S4 WE 320			ENI Telium VSF 320			

For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

Output shaft
Albero di uscita

$F_{eq} = F_R \cdot \frac{6.60}{X+5.22}$

n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR
250	135	674	75	200	1000	15	373	1866
150	157	787	50	256	1281			
100	175	877	25	299	1495			

F_R On request taper roller bearings to increase radial loads.
A richiesta cuscinetti a rulli conici per aumentare i carichi radiali.

Input shaft
albero in entrata

n ₁ [min ⁻¹]	FA	FR
1750	101	506
1140	112	562

***Strong axial loads in the DX direction are not allowed.**
Non sono consentiti forti carichi assiali con direzione DX

tab. 2

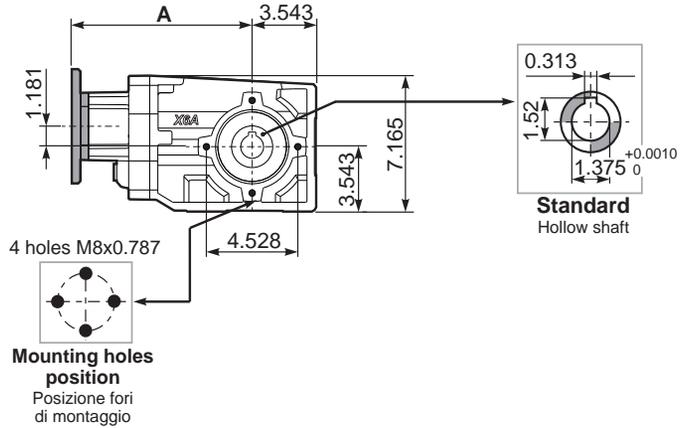
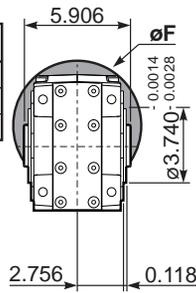
3D dimensions on the Web

Angletech Gear
3629lb in X62A

PX62AC... Basic Gearbox
Riduttore base

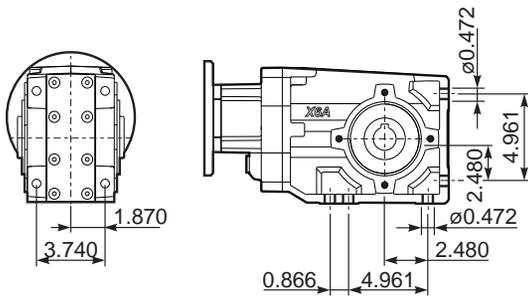
Gearbox weight
peso riduttore **34.8 lb**

Nema flange	A	øF	kit code
56C-143/5TC	10.216	6.50	KU085.4.041
182/4TC	10.921	8.88	KU085.4.042
213/5TC	11.437	8.88	KUC50.4.041

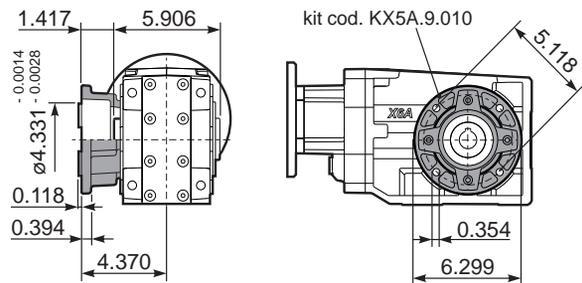


Mounting holes position
Posizione fori di montaggio

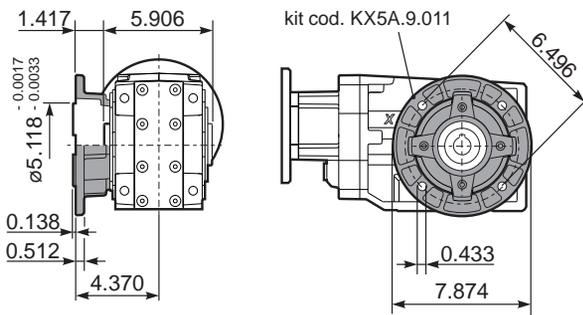
PX62A-N.. Feet
Piedini



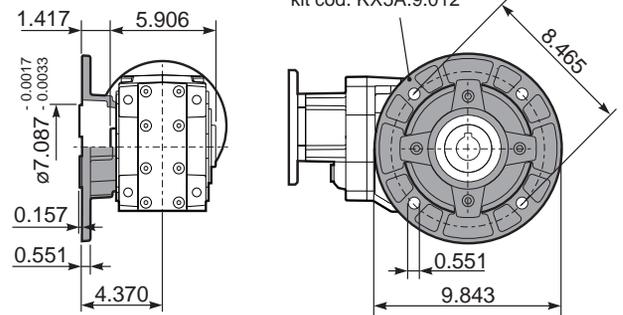
PX62A-F2.. Output flange
Flangia uscita



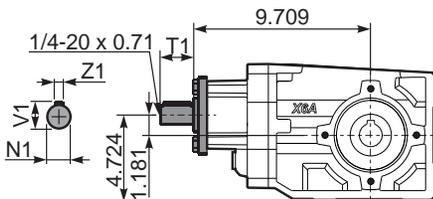
PX62A-F3.. Output flange
Flangia uscita



PX62A-F4.. Output flange
Flangia uscita

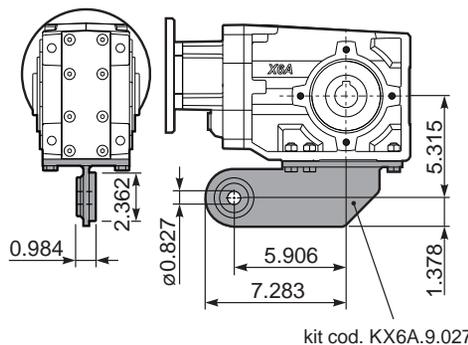


RX62A... Input shaft
Albero in entrata

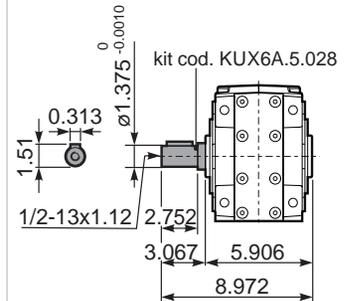


Nema flanges	N1	T1	V1	Z1	kit code
Standard	0.875	1.97	0.96	0.188	KC50.5.070U
On request	0.750	1.97	0.83	0.188	KC50.5.069U

PX62A BR.. Reaction Arm
Braccio di reazione



PX62A..A.. Single output shaft
Albero semplice in uscita



X63A Angletech Gear 3629lb in

Rating - Aluminum HELICAL-BEVEL GEARBOXES



■ QUICK SELECTION / Selezione veloce							input speed (n ₁) = 1750 min ⁻¹			
Output Speed n ₂ [min ⁻¹]	Ratio i	Motor power P _{1M} [HP]	Output torque M _{2M} [lb in]	Service factor f.s.	Nominal power P _{1R} [HP]	Nominal torque M _{2R} [lb in]	Available NEMA motor flanges		Output Shaft 	Ratios code
							-W 56C	-X 143/5 TC		
30.8	56.76	1.5	2883	1.3	1.89	3629			191311	01
26.6	65.79	1.5	3341	1.1	1.63	3629			171311	02
22.7	77.23	1.5	3922	0.9	1.39	3629			151311	03
20.1	87.23	1	2953	1.2	1.23	3629			19138	04
19.0	92.18	1	3121	1.2	1.16	3629			131311	05
17.4	100.47	1	3402	1.1	1.07	3629			19811	06
15.0	116.45	1	3943	0.9	0.92	3629			17811	07
13.9	125.82	0.75	3195	1.1	0.85	3629			101311	08
12.4	141.66	0.75	3597	1.0	0.76	3629			13138	09
10.7	163.16	0.5	2762	1.3	0.66	3629			13811	10
9.8	178.96	0.5	3030	1.2	0.60	3629			1788	11
9.1	193.36	0.5	3273	1.1	0.55	3629			10138	12
8.1	216.84	0.5	3671	1.0	0.49	3629			71311	13
6.9	252.36	0.33	2819	1.3	0.42	3629			9138	14
6.0	290.67	0.33	3248	1.1	0.37	3629			9811	15
5.3	333.23	0.33	3723	1.0	0.32	3629			7138	16
4.6	383.82	0.25	3249	1.1	0.28	3629			7811	17
3.9	446.70	0.25	3781	1.0	0.24	3629			988	18
3.0	589.85	0.25*	4992	0.7	0.18	3629			788	19

The dynamic efficiency is 0.94 for all ratios * Power higher than the maximum one which can be supported by the gearbox. Select according to the torque M_{2R}
Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M_{2R}

- Motor Flanges Available Flange Motore Disponibili
- Supplied with Reduction Bushing Fornito con Bussola di Riduzione
- Available on Request without reduction bushing Disponibile a Richiesta senza Bussola di Riduzione
- Motor Flange Holes Position Posizione Fori Flangia Motore

EN Unit X63A is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore X63A viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione. Vedi tab.1 per oli e quantità consigliati. In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

E El reductor tamaño X63A se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	For these mounting position specify in the order or add oil					
	Per queste posizioni specificare in fase d'ordine o aggiungere olio					
B3	B6	B7	B8	V5	V6	V8
63.35 oz	63.35 oz	36.95 oz	59.83 oz	91.51 oz	58.07 oz	Ask
SHELL Omala S4 WE 320			ENI Telium VSF 320			

For all details on lubrication and plugs check our website **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

■ RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{6.60}{X+5.22}$					
n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR	n ₂ [min ⁻¹]	FA	FR
250	135	674	75	200	1000	15	373	1866
150	157	787	50	256	1281			
100	175	877	25	299	1495			
Input shaft albero in entrata								
n ₁ [min ⁻¹]	FA [N]	FR [N]						
1750	90	450						
1140	99	495						
*Strong axial loads in the DX direction are not allowed. Non sono consentiti forti carichi assiali con direzione DX								

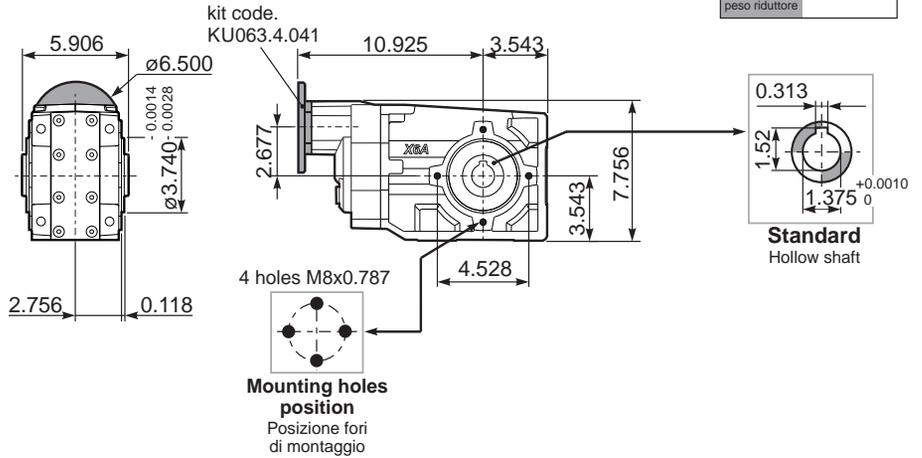
tab. 2

3D dimensions on the Web

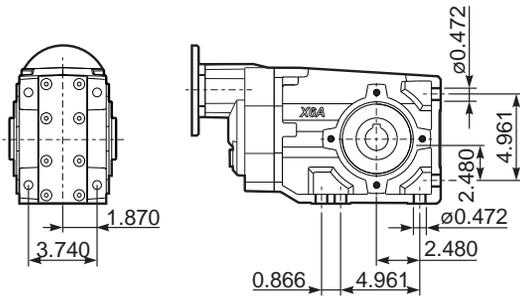
Angletech Gear
3629lb in X63A

PX63AC... Basic Gearbox
Riduttore base

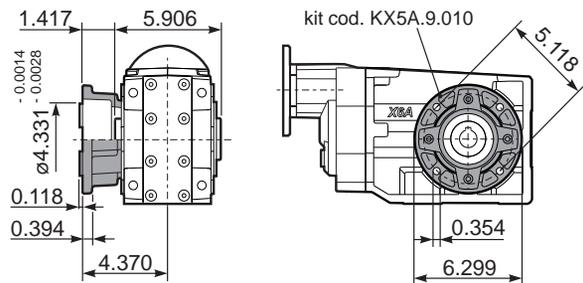
Gearbox weight
peso riduttore **35.2 lb**



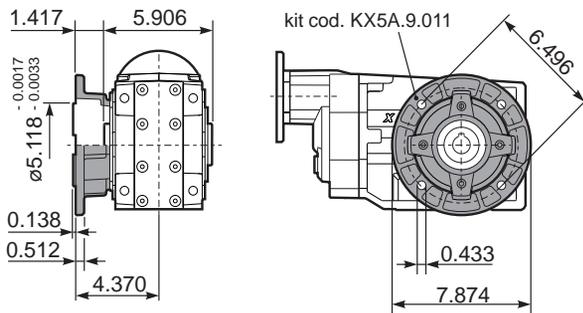
PX63A-N.. Feet
Piedini



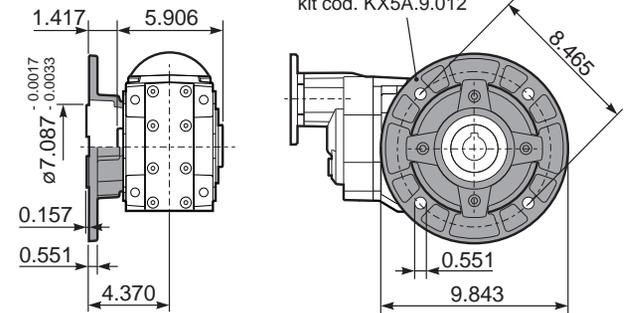
PX63A-F2.. Output flange
Flangia uscita



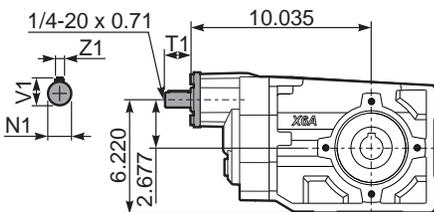
PX63A-F3.. Output flange
Flangia uscita



PX63A-F4.. Output flange
Flangia uscita

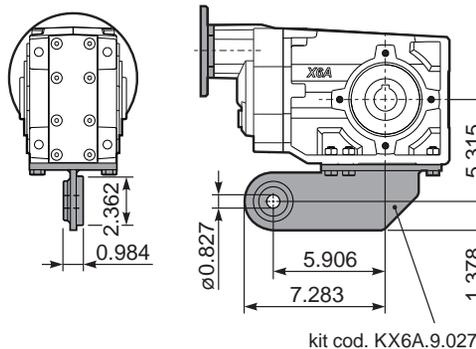


RX63A... Input shaft
Albero in entrata



Nema flanges	N1	T1	V1	Z1	kit code
Standard	0.750	1.97	0.83	0.188	KC40.5.070U
On request	0.625	1.57	0.71	0.188	KC40.5.069U

PX63ABR.. Reaction Arm
Braccio di reazione



PX63A..A.. Single output shaft
Albero semplice in uscita

