

Technical Data Sheet
Gearbox
HELLICAL BEVEL



MODEL	X33S
Ø OUTPUT SHAFT	20 mm
APPROXIMATE RATIO	44
EXACT RATIO	44.21
OUTPUT SPEED	33 RPM
EXACT OUTPUT SPEED	33 RPM
INPUT POWER	0.18 KW
INPUT ROTATION	1400 RPM
INPUT PAM	63B14
OUTPUT TORQUE	51.02 N.m
NOMINAL TORQUE	100.00 N.m
NOMINAL POWER	0.35 KW
SERVICE FACTOR	1.94
DYNAMIC EFFICIENCY	0.94

Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
0.7	0.65	0.4	0.65	0.95	0.65

Radial and Axial Loads



n_2 [min-1]	F_A [N]	F_R [N]
250	400	2000
100	500	2500
50	560	2800
15	560	2800

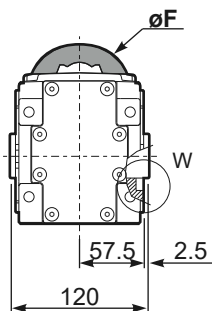
Universal Motors S.A.
Rua Comendador Brandão, 484
4495-375 Póvoa de Varzim
geral@universalmotors.pt
TEL.: 252 299 080

Universal Motors UK, Ltd
Unit E2, Meltham Mills Road
West Yorkshire HD9 4AR
enquiries@universalmotors-group.co.uk
TEL.: +44(0) 1484660222

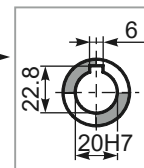
Universal Motors SL
C/La Habana n.6 nave 4 PI Camporoso
28806 Alcala de Henares
info@universalmotors-group.es
TEL.: 918 864 213

PX33SC...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore**6.55 kg**

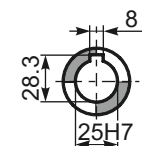
M. flanges	Kit code	ϕF	A
63B5	K050.4.041	138	189.5
71B5	K050.4.042	160	187
56B14	KC40.4.049	80	187
63B14	K050.4.047	90	189.5
71B14	K050.4.045	105	187



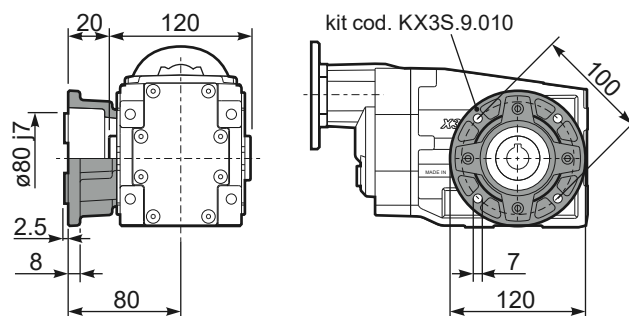
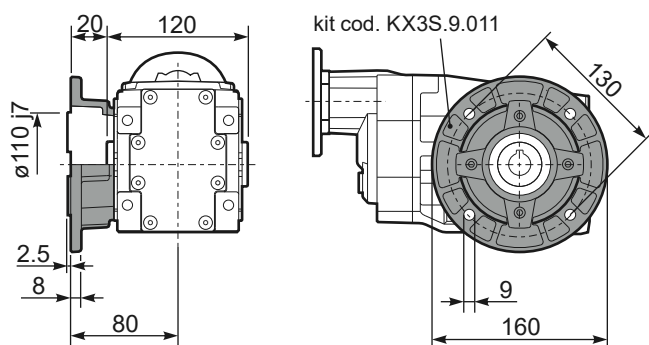
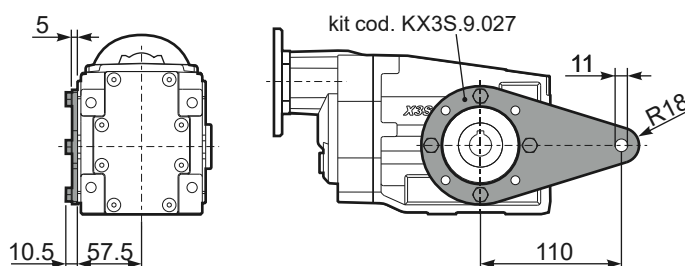
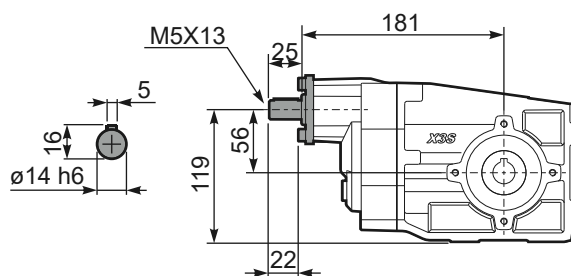
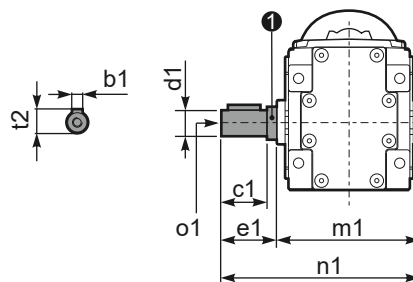
4 holes M8x15
Mounting holes
position
Posizione fori
di montaggio



Standard
Hollow shaft



On request
A richiesta

PX33S...FB..Feet
Piedini**PX33S...-F1..**Output flange
Flangia uscita**PX33S...-F2..**Output flange
Flangia uscita**PX33S...BR..**Reaction Arm
Braccio di reazione**RX33S...**Input shaft
Albero in entrata**PX33SA..**Single output shaft
Albero semplice in uscita

d1	b1	c1	e1	m1	n1	t2	o1	1	kit code
$\phi 20$ k6	6	37.5	40	120	160	22.5	M8x20		KX2S.5.028
$\phi 25$ ^{-0.005} / _{-0.020}	8	60	63.2	126.8	190	28	M8x20		K063.5.028