

Technical Data Sheet
Gearbox
HELLICAL BEVEL



MODEL	X33S
Ø OUTPUT SHAFT	20 mm
APPROXIMATE RATIO	36
EXACT RATIO	36.17
OUTPUT SPEED	41 RPM
EXACT OUTPUT SPEED	40 RPM
INPUT POWER	0.37 KW
INPUT ROTATION	1400 RPM
INPUT PAM	71B5
OUTPUT TORQUE	85.81 N.m
NOMINAL TORQUE	100.00 N.m
NOMINAL POWER	0.43 KW
SERVICE FACTOR	1.16
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]	FA [N]	FR [N]
250	400	2000
100	500	2500
50	560	2800
15	560	2800

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Gearbox weight peso riduttore	6.55 kg
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Technical drawing of the X3S motor showing dimensions and shaft options.

Dimensions:

- Overall width: 148
- Shaft diameter: 20H7
- Shaft length: 63
- Mounting holes diameter: 8
- Mounting holes pitch: 25H7
- Mounting holes diameter (on request): 28.3
- Mounting holes pitch (on request): 28.3
- Mounting holes diameter (on request): 28.3
- Mounting holes pitch (on request): 28.3

Shaft Options:

- Standard:** Hollow shaft, 20H7 diameter.
- On request:** A richiesta, 25H7 diameter.

Mounting holes position: Posizione fori di montaggio

Technical drawings of the KX3S.9.010 kit. The left drawing is a side view showing dimensions: 20, 120, 80, 2.5, 8, 100, 7, 120, and a diameter of 80. The right drawing is a front view showing dimensions: 100, 7, 120, and a diameter of 80. The kit cod. KX3S.9.010 is indicated.

Technical drawing of the KX3S.9.011 kit, showing front and side views with dimensions.

Front View Dimensions:

- Top flange width: 20
- Top flange diameter: $\varnothing 110 \pm 7$
- Top flange thickness: 2.5
- Top flange offset: 8
- Overall width: 120
- Overall height: 80

Side View Dimensions:

- Kit code: KX3S.9.011
- Overall height: 130
- Overall width: 160
- Offset: 9

Technical drawing of the M5X13 pump assembly. The drawing includes a front view (left) and a side view (right). The front view shows a circular flange with a central hole of diameter $\varnothing 14$ h6 and a thickness of 5. The side view shows the pump body with a total length of 181, a mounting flange thickness of 25, a main body height of 56, and a base width of 22. The overall height of the assembly is 119. The pump body features the 'MPS' logo.

d1	b1	c1	e1	m1	n1	t2	o1	① kit code
ø20 k6	6	37.5	40	120	160	22.5	M8x20	KX2S.5.028
ø25 ^{-0.005 -0.020}	8	60	63.2	126.8	190	28	M8x20	K063.5.028