

MODEL	302A	
Ø OUTPUT SHAFT	20	mm
APPROXIMATE RATIO	38	
EXACT RATIO	37.69	
OUTPUT SPEED	38	RPM
EXACT OUTPUT SPEED	39	RPM
INPUT POWER	0.37	KW
INPUT ROTATION	1400	RPM
INPUT PAM	71B5	
OUTPUT TORQUE	91.32	N.m
NOMINAL TORQUE	102.00	N.m
NOMINAL POWER	0.41	KW
SERVICE FACTOR	1.11	
DYNAMIC EFFICIENCY	0.96	

Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
0.15	0.15	0.15	0.15	0.15	0.15

Radial and Axial Loads



n_2 [min-1]	FA [N]	FR [N]
300	140	700
200	185	924
120	270	1350
70	340	1700

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

Gearbox weight **3.5 kg**
 With flange
 peso riduttore **4.0 Kg**
 With feet

P302A-B1...

With feet
 Con piedini



*See the table of output shaft for the complete list of diameters
 $\phi 20$ h6
 M8x19

Feet Code	Market reference	G	H	R	L	L1	S	H1	O	$\phi 1$	S2 only with motor flange	B5 max. Flange	kit code
B1	112	18	85	110	87	50	130	133	15	9	15 80/90B5	-	KC30.9.022
B2	212/3	18	100	130	107.5	60	155	145	5	11	3.5 80/90B5	-	KC30.9.023LM
S1	17-32	18	75	110	110	50	130	123	15	9	5 71B5	71B5	KC30.9.024

Other feet are available, see our web site
 Sono disponibili altri piedini, consulta il nostro sito web

A see on page bottom

Most popular types
 Tipi più diffusi

P302A-F...

Output flanges
 flange di uscita



*Available output shaft / Albero di uscita

	Shaft - d1	p1	h1	x
Standard	$\phi 20 \times 40$	6	22.5	M8x19
On request A richiesta	$\phi 14 \times 30$	5	16	M6x16
	$\phi 16 \times 40$	5	18	M6x16
	$\phi 19 \times 40$	6	21.5	M6x16
	$\phi 24 \times 50$	8	27	M8x19
	$\phi 25 \times 50$	8	28	M8x19

Available output flanges / flange di uscita

a1 ϕ	b1	c1	e1	f1	s1	kit code
120	80	11.5	100	3	9*	KC30.9.010
140	95	11.5	115	3	9	KC30.9.011
160	110	11.5	130	3.5	9	KC30.9.012
200	130	11.5	165	3.5	11	KC30.9.013

* Holes position
 Posizione fori

With flange and feet only on request. Ask for compatibility

P302A-N...

Basic gearbox
 Riduttore base



B5 Motor Flanges	A	C _{max}	g6	k1	kit code
63 B5	151.7	170	140	155.2	K063.4.041
71 B5	149.7	180	160	153.2	K063.4.042
80/90 B5	151.7	200	200	155.2	K063.4.043

R302A-N...

Input Shaft
 Albero in entrata



B14 Motor Flanges	A	C _{max}	g6	k1	kit code
71 B14	149.7	152.5	105	153.2	K063.4.047
80 B14	151.7	160	120	155.2	K063.4.046
90 B14	151.7	170	140	155.2	K063.4.041