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Find the *Parker / Compumotor OS22B-SNL10* at our website: *Click HERE*

Specifications

OS Series
Motor Specifications
Size 23 Frame

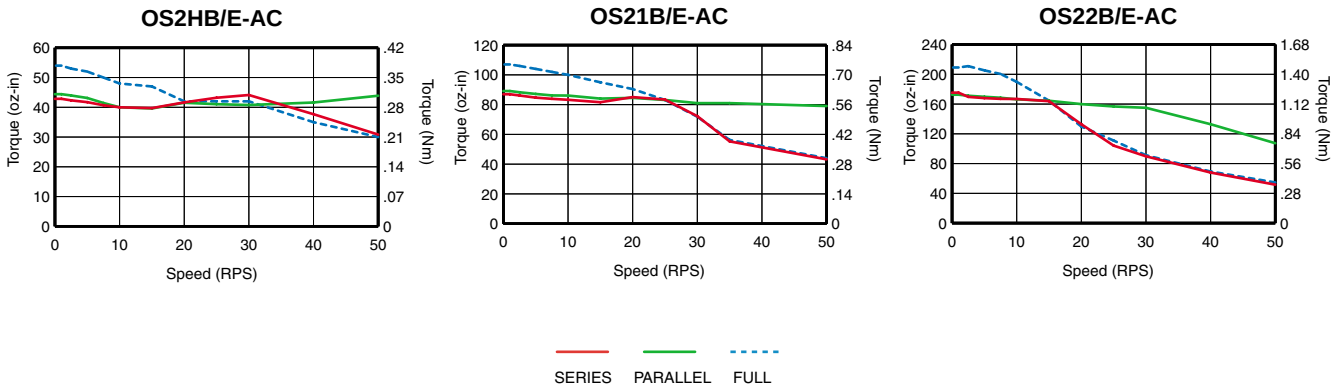
Parameters		OS2HA	OS21A	OS22A	OS2HB	OS21B	OS22B
Static torque	oz-in (Nm)	49.1 (0.35)	114 (0.81)	186 (1.31)	61.35 (0.43)	126.5 (0.84)	238 (1.68)
Rotor inertia	oz-in^2 (kg-cm^2)	0.39 (0.07)	0.66 (0.12)	1.39 (0.25)	0.39 (0.07)	0.66 (0.12)	1.39 (0.25)
Phase Inductance (mH)	Series Parallel	1.7 NA	1.8 NA	2.8 NA	8.6 2.2	12 3	16.6 4.2
Detent Torque	oz-in (N-m)	2.5 (0.02)	4.0 (0.03)	7.0 (0.05)	2.5 (0.02)	4.0 (0.03)	7.0 (0.05)
Bearings Information							
Thrust Load	lb (kg)	13 (5.9)	13 (5.9)	13 (5.9)	13 (5.9)	13 (5.9)	13 (5.9)
Radial Load	lb (kg)	20 (9.1)	20 (9.1)	20 (9.1)	20 (9.1)	20 (9.1)	20 (9.1)
End Play (Reversing load equal to 1 lb)	in (mm)	0.001 (0.025)	0.001 (0.025)	0.001 (0.025)	0.001 (0.025)	0.001 (0.025)	0.001 (0.025)
Radial Play (Per 0.5 lb load)	in (mm)	0.0008 (0.02)	0.0008 (0.02)	0.0008 (0.02)	0.0008 (0.02)	0.0008 (0.02)	0.0008 (0.02)
Motor Weight	lb (kg)	1 (0.5)	1.5 (0.7)	2.5 (1.1)	1 (0.5)	1.5 (0.7)	2.5 (1.1)
Certifications	UL recognized CE (LVD) CE (EMC & LVD)	Pending Yes No	Pending Yes No	Pending Yes No	Pending Yes No	Pending Yes No	Pending Yes No
Drive Current	Apk (Arms)						
E-AC	Series Parallel	NA NA	NA NA	NA NA	1.76 (1.24) 3.25 (2.30)	1.88 (1.33) 3.5 (2.47)	2.38 (1.68) 3.5 (2.47)
E-DC	Series Parallel	3.0 (2.12) NA	4.8 (3.39) NA	4.8 (3.39) NA	NA NA	NA NA	NA NA
GT	Series Parallel	NA NA	NA NA	NA NA	1.7 (1.2) 3.4 (2.4)	1.8 (1.3) 3.6 (2.6)	2.4 (1.7) 4.8 (3.4)
OEM750	Series Parallel	2.65 (1.9) 5.3 (3.7)	3.3 (2.3) 6.6 (4.7)	3.8 (2.7) 7.5 (5.3)	NA NA	NA NA	NA NA
ZETA	Series Parallel	NA NA	NA NA	NA NA	1.8 (1.3) 3.6 (2.6)	1.9 (1.3) 3.8 (2.6)	2.4 (1.7) 4.8 (3.4)

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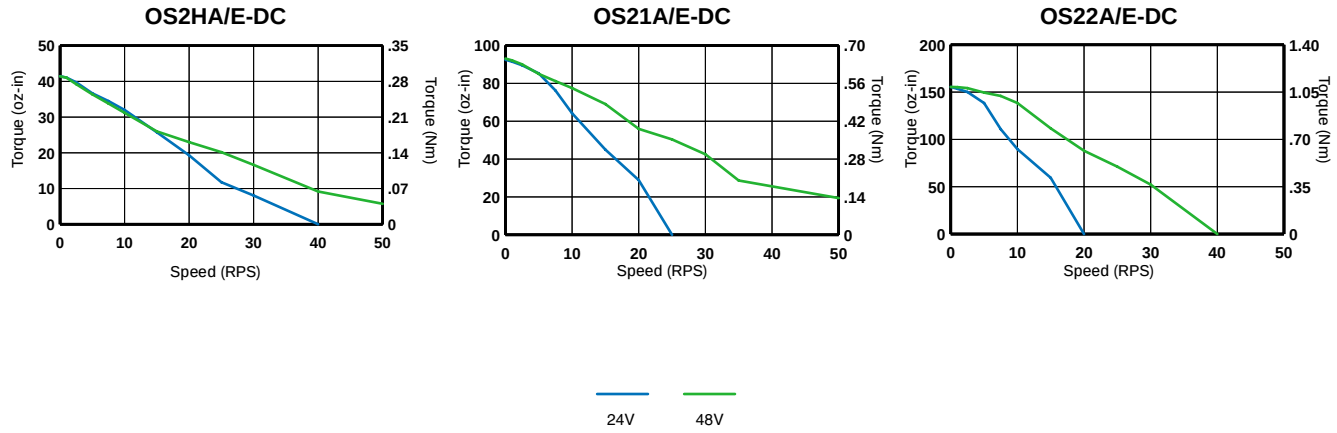
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Motor Speed-Torque Performance Curves

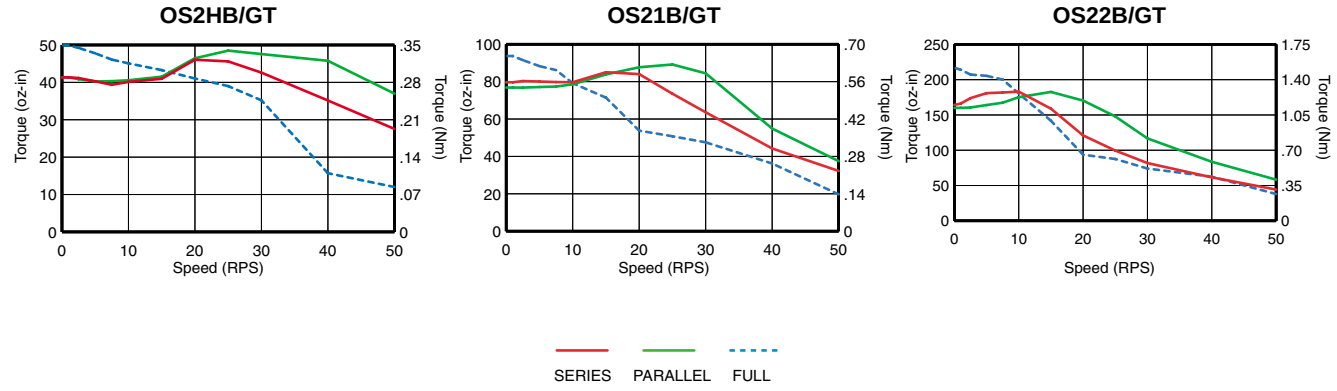
E-AC Drive with OS Series Motors – 23 frame



E-DC Drive with OS Series Motors – 17 and 23 frame



GT Drive with OS Series Motors – 23 frame



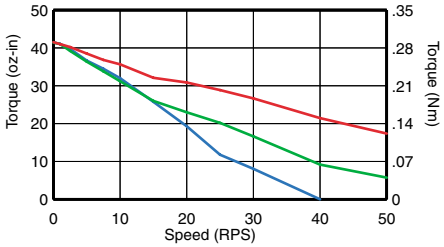
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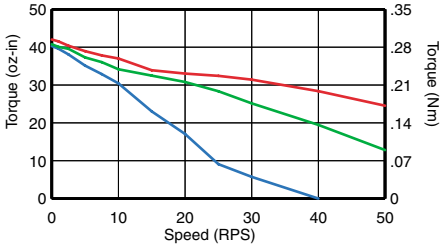
Motor Speed-Torque Performance Curves

OEM750 Drive with OS Motors – 23 frame, 24, 48 and 75 VDC

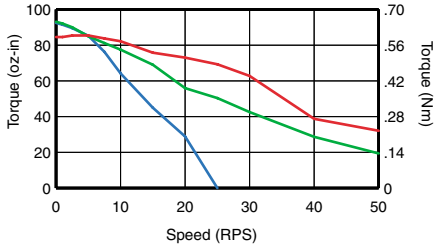
OS2HA/OEM750 (Series)



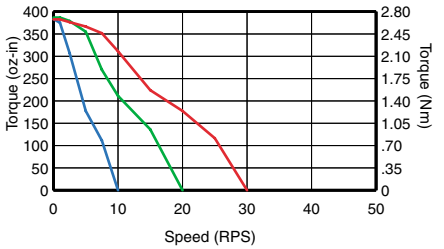
OS2HA/OEM750 (Parallel)

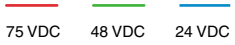


OS21A/OEM750 (Series)



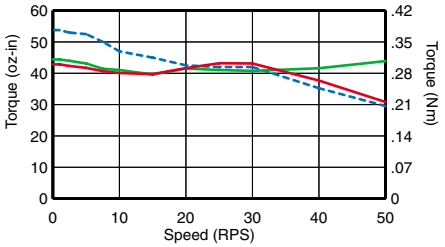
OS22A/OEM750 (Series)



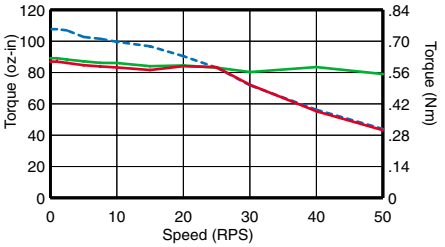


ZETA Drive with OS Series Motors – 23 frame

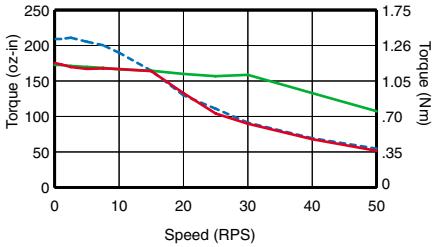
OS2HB/ZETA4



OS21B/ZETA4



OS22B/ZETA4





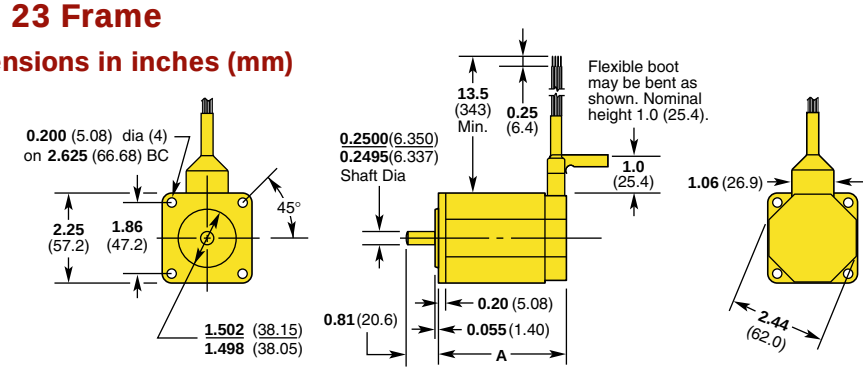
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OS Dimensional Drawings

Size 23 Frame

Dimensions in inches (mm)



Model		A	
OS2H	(OEM57-40)	1.60	(40.6)
OS21	(OEM57-51)	2.06	(52.3)
OS22	(OEM57-83)	3.10	(87.7)

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Motor Ordering Information

OS Series (CE(LVD), UL Pending)

The OS Series Size 23 Frame motors with A Winding (75VDC) are designed for use with the OEM750 and E-DC Series drives.
The OS Series Size 23 Frame motors with B Winding (170VDC) are designed for use with E-AC, GT and ZETA Series.

Series	Type	Frame Size	No. of Rotor Stacks	Winding Type	Shaft	Shaft Modification	Motor Construction/ Hookup	Encoder Option
O (Octagonal)	S=Standard	2=Size 23	H=Half stacks 1=1 stack 2=2 stacks	A=75VDC winding (Gray painting motors) B=170VDC winding (Black painted motors)	S=Single D=Double (Double shaft req d for all motors with encoders)	N=Standard smooth F=Flat (.02" depth) (0.5" length)	FLY=Regular construction with flying (8) leads, 12" L10= Regular construction with 10' LVD cable	Blank=No feedback (no dash required) HJ=512 ppr single-ended kit encoder w/12" flying leads (only available on A winding motors) RE=1000 ppr differential kit encoder w/ line driver & 13" braided shield cable (w/ FLY only) RC=1000 ppr differential kit encoder w/ line driver & 10' cable

OS Series Part Number Example:

OS2 _ _ - _ _ ____ - ___
OS2HA-SNFLY
OS22B-DNL10-RC

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