



Integral Horsepower (IHP) GENERAL PURPOSE MOTORS

Inverter Suitable 10:1 Variable Torque, 4:1 Constant Torque

HORSEPOWER: 1 - 15 HP

PHASE: Three Phase

RPM: 1800 RPM

VOLTAGE: 208-230/460

ENCLOSURE:

- Open Drip-Proof (ODP)
- Totally Enclosed, Fan Cooled (TEFC)

INSULATION: Class F

EFFICIENCY: NEMA Premium® Efficient

NAMEPLATE: CE Mark on nameplate (180 frame or larger)

AGENCY: UL® Recognized and CSA® Certified

WORLD MOTOR® FEATURES:

- Both 60 Hz and 50 Hz operations (without derating motor)
- 250 Frame and larger ratings suitable for wye-start delta run or across-the-line starting
- Energy Efficient per NEMA (2003) MG1, 12-10
- Meets EPA 92 (USA), NOM 74 (Mexico), and CSA® C390 (Canada) efficiency levels
- AllGuard® Motor Quality System



ODP



TEFC

US Motors Model #	SH Item #	HP	RPM	Voltage	Frame	Total Length	Full Load Efficiency	Full Load Amps	Service Factor
Open Dripproof (ODP)									
For pumps, fans, compressors, material handling, and other general purpose applications where contaminants are minimal.									
P063AGU1308015B	D1P2AH	1	1725	208-230/460	56H	12.4	83.5	3.2 - 3.0 / 1.5	1.15
FC89	D1P2D	1	1800	208-230/460	143T	12.8	85.5	3.2 - 3.1 / 1.5	1.15
FC92	D32P2D	1-1/2	1800	208-230/460	145T	12.8	86.5	4.4 - 4.2 / 2.1	1.15
FC95	D2P2D	2	1800	208-230/460	145T	12.8	86.5	5.9 - 5.5 / 2.8	1.15
FH79	D3P2D	3	1800	208-230/460	182T	15.0	89.5	8.4 - 7.8 / 3.9	1.15
FH82	D5P2D	5	1800	208-230/460	184T	15.0	89.5	13.8 - 13.0 / 6.5	1.15
R341	D7P2D	7-1/2	1800	208-230/460	213T	16.0	91.0	20.2 - 18.5 / 9.3	1.15
DB51	D10P2D	10	1800	208-230/460	215T	17.5	91.7	26.3 - 23.8 / 11.9	1.15
DT58	D15P2D	15	1800	208-230/460	254T	22.6	93.0	40.0 - 37.0 / 18.3	1.15
Totally Enclosed, Fan Cooled (TEFC) UNIMOUNT®									
For general industrial equipment including fans, blowers, compressors, pumps and direct connected equipment.									
CG03	U5P2D	5	1800	208-230/460	184T	16.9	90.2	13.6 - 12.3 / 6.2	1.25

NOTE: 60/50 Hz rated with no derate on HP; 230/460 volt 60 Hz ratings operate on 190/380 volt 50 Hz, 460V 60 Hz ratings operate on 380 volt 50Hz. Full 60 & 50 Hz data on nameplate.



CATALOG NUMBER:	D5P2D		NAMEPLATE PART #:	422702-002	
MODEL	FH82	FR	184T	TYPE	DE ENCL ODP
SHAFT END BRG	6206-2Z-J/C3 - QTY 1		OPP END BRG	6206-2Z-J/C3 - QTY 1	
PH	3	MAX AMB	40 C	ID#	
INSUL CLASS	F	Asm. Pos.	F1	DUTY	CONT
HP	5	RPM	1755	HP	5 RPM 1440
VOLTS	460 230 208	VOLTS	380 190	FL AMPS	7.6 15.3
FL AMPS	6.2 12.4 13.7	SF AMPS	9.0 17.9	SF AMPS	9.0 17.9
SF AMPS	7.1 14.1	SF	1.15 DESIGN B CODE H	SF	1.15 DESIGN B CODE F
NEMA NOM EFFICIENCY	89.5 NOM PF 84.5 KiloWatt 3.7	NEMA NOM EFFICIENCY	85.5 NOM PF 86.8		
GUARANTEED EFFICIENCY	87.5 MAX KVAR 1.6 HZ 60	GUARANTEED EFFICIENCY	82.5 MAX KVAR 1.3 HZ 50		

HAZARDOUS LOCATION DATA (IF APPLICABLE):

DIVISION	CLASS I	GROUP I
TEMP CODE	CLASS II	GROUP II

VFD DATA (IF APPLICABLE):

VOLTS	
AMPS	
TORQUE 1	TORQUE 2
VFD LOAD TYPE 1	VFD LOAD TYPE 2
VFD HERTZ RANGE 1	VFD HERTZ RANGE 2
VFD SPEED RANGE 1	VFD SPEED RANGE 2
SERVICE FACTOR	FL SLIP
NO. POLES	MAGNETIZING AMPS
VECTOR MAX RPM	Encoder PPR
Radians / Seconds	Encoder Volts

TEAO DATA (IF APPLICABLE):

HP (AIR OVER)	HP (AIR OVER M/S)	RPM (AIR OVER)	RPM (AIR OVER M/S)
FPM AIR VELOCITY	FPM AIR VELOCITY M/S	FPM AIR VELOCITY SEC	

ADDITIONAL NAMEPLATE DATA:

Decal / Plate	WD-344136	Customer PN	
Notes		Non Rev Ratchet	
Max Temp Rise	80C RISE/RES@1.00SF	OPP/Upper Oil Cap	GREASE
Thermal (WDG)		SHAFT/Lower Oil Cap	GREASE
Altitude			
Regulatory Notes		Regulatory Compliance	CC 030A
CCS		Marine Duty	
Balance		Arctic Duty	
3/4 Load Eff.	91.1	Inrush Limit	
Motor Weight (LBS)	60	Direction of Rotation	
Sound Level		Special Note 1	
Vertical Thrust (LBS)		Special Note 2	
Thrust Percentage		Special Note 3	
Bearing Life		Special Note 4	
Starting Method		Special Note 5	
Number of Starts		Special Note 6	
200/208V 60Hz Max Amps	15.9	SH Max. Temp.	
190V 50 Hz Max Amps	17.9	SH Voltage	
380V 50 Hz Max Amps	9.0	SH Watts	
NEMA Inertia		Load Inertia	
Sumphcater Voltage		Sumphcater Wattage	
Special Accessory Note 1		Special Accessory Note 16	
Special Accessory Note 2		Special Accessory Note 17	
Special Accessory Note 3		Special Accessory Note 18	
Special Accessory Note 4		Special Accessory Note 19	
Special Accessory Note 5		Special Accessory Note 20	
Special Accessory Note 6		Special Accessory Note 21	
Special Accessory Note 7		Special Accessory Note 22	
Special Accessory Note 8		Special Accessory Note 23	
Special Accessory Note 9		Special Accessory Note 24	
Special Accessory Note 10		Special Accessory Note 25	
Special Accessory Note 11		Special Accessory Note 26	
Special Accessory Note 12		Special Accessory Note 27	
Special Accessory Note 13		Special Accessory Note 28	
Special Accessory Note 14		Special Accessory Note 29	
Special Accessory Note 15		Special Accessory Note 30	

NIDEC MOTOR CORPORATION
ST. LOUIS, MO

TYPICAL NAMEPLATE DATA
ACTUAL MOTOR NAMEPLATE LAYOUT MAY VARY
SOME FIELDS MAY BE OMITTED

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