



COMMENT:  
 1.DYNAMIC AXIAL LOAD: 147N MAX;  
 2.DYNAMIC RADIAL LOAD : 392N MAX

SPECIFICATION	VALUE
RATED POWER(W)	750
RATED VOLTAGE(VDC)	48
RATED TORQUE(Nm)	2.39
PEAK TORQUE(Nm)	7.17
RATED SPEED(RPM)	3000
RATED CURRENT(Amp)	18.5
BACK EMF CONST(V/KRPM)	8.5±10%
TORQUE CONST(Nm/Amp)	0.129
LINE RESISTANCE(Ω)	0.11±10%
LINE INDUCTANCE(mH)	0.43±20%
INERTIA(Kg <sup>2</sup> ·m)	1.62×10 <sup>-4</sup>
INSULATION CLASS	F
IP RATING	IP65
POLES	10
ELECTRICAL TIME CONSTANT(ms)	-
ENCODER RESOLUTION	17 bit
WEIGHT(KG)	2.95

SEQUENCE OF MOTOR CABLES					
PIN-NO.	1	2	3	4	5
DESCRIPTION	U	V	W	PE	-
COLOUR	RED	YEL	BLU	YEL/GRN	-

ENCODER CABLE SEQUENCE						
PIN-NO.	1	2	3	4	5	6
DESCRIPTION	+5V	GND	-	-	485+	485-
COLOUR	RED	BLK	-	-	BLU	YEL

BRAKE SPECIFICATIONS	
HOLDING TORQUE(Nm)	3.80
VOLTAGE(V)	24
POWER(W)	8.5
CURRENT(A)	0.42



	APVD	MYX	12.9.2024
	CHKD		
2:1	DRN	LDJ	11.5.2024
SCALE	SIGNATURE		DATE

DC SERVO MOTOR

DSY80-750L2B2M17S