



SPECIFICATIONS:

- MOTOR INFORMATION**
MOTOR TYPE: VARIABLE SPEED AC
FRAME SIZE: RDL1609Y
RATING: 48.4 KW
V.D. TAG: 400
ENCLOSURE: TOTALLY ENCLOSED IP54
MOUNTING: FLANGE (350mm BOLT CIRCLED)
COOLING: BLOWER COOLED IC416
DRIVE METHOD: COUPLED DR BELTED
ACCESSORIES: ENCODER & BRAKE
- CONTINUOUS STALL TORQUE: 156 Nm
MAX AT 155°C WINDING TEMPERATURE, IN A 40°C AMBIENT
- OPERATING SPEED: 3000 BASE SPEED / 5000 RPM MAX.
- 1024 SINUSOID/REV ENCODER, WITH SINGLE-TURN ABSOLUTE POSITION DATA
- FOR ADDITIONAL SPECIFICATIONS SEE 10000000339
- SHAFT HEIGHT WILL NOT BE EXCEEDED SHIMS UP TO 0.5 MM IN THICKNESS USUALLY REQUIRED FOR COUPLED DR GEARED MACHINES.
- SHAFT FITTINGS ARE ACCORDING TO DIN 748, TOLERANCES ARE BASED ON THE ISA FITTING SYSTEM USING K6 FOR DIAMETERS UP TO 50MM AND M6 FOR DIAMETERS ABOVE.
- MAX SHAFT TIR .06 [002] MAX FACE TIR .13 [005]
- MOTOR WEIGHT 240 KG. [530 LBS] (MAY VARY 15%)
- BRAKE: 400VAC 20 Nm MAX. HOLDING TORQUE, BRAKE RELEASES WHEN VOLTAGE APPLIED

BLADER CONNECTION		ENCODER CONNECTION		MOTOR CONNECTION	
LEAD	400 VOLTS SERIES	PIN	FUNCTION	TERMINAL BOX	LEAD SOURCE
11	L1	A	SIN +	U1	L1
12	L2	B	SIN -	V1	L2
13	L3	C	COS +	V1	L3
14	L3	D	COS -	VI	L3
15	L3	E	DATA +	VI	L3
16	L3	F	DATA -	VI	L3
17	L3	G-M	-	VI	L3
18	L3	N	+9 VDC	VI	L3
19	L3	P	COM	VI	L3
19	L3	R	TS +	VI	L3
19	L3	S	TS -	VI	L3
19	L3	T-V	-	VI	L3

BRAKE CONNECTION	
LEAD	SOURCE
B1	L1
B2	L2

REFERENCES		TOLERANCES UNLESS OTHERWISE SPECIFIED	
VERSION/CHANGE NUMBER		DO NOT SCALE DRAWING DIMENSIONS WITH UNLESS REFERENCED UNTIL FINISHED DIMENSIONS ARE REFERENCE THIRD ANGLE PROJECTION	
DR. AMB	DATE 09-19-06	SHEET 1	OF 1
DXF FILE AVAILABLE		CAD DOCUMENT	
HPK-E1609E-SB44AA.ESM		SUPPLIER PART NUMBER: L16M5268	
DESCRIPTION		NOTE: ALL DRAWING MODIFICATIONS REQUIRE CUSTOMER APPROVAL	
DR. AMB		10000000339	