



SPECIFICATIONS:

- MOTOR INFORMATION**
 MOTOR TYPE: VARIABLE SPEED AC
 FRAME SIZE: RDL1613Y
 RATING: 73.7 KW
 VOLTAGE: 400
 ENCLOSURE: TOTALLY ENCLOSED IP54
 MOUNTING: FLANGE (350mm BOLT CIRCLE)
 COOLING: BLOWER COOLED IC416
 DRIVE METHOD: COUPLED OR BELTED
 ACCESSORIES: ENCODER
- CONTINUOUS STALL TORQUE: 237 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 10000000112
- SHAFT HEIGHT WILL NOT BE EXCEEDED
 SHIMS UP TO 0.5 MM IN THICKNESS USUALLY REQUIRED FOR COUPLED OR GEARED MACHINES.
- SHAFT EXTENSIONS 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 [0.002]
 MAX FACE TIR .13 [0.005]
- MOTOR WEIGHT 275 KG. [606 LBS] (MAY VARY 15%)

BLOWER CONNECTION	
STAR CONNECTION	
LEAD	400 VOLTS
U1	R
V1	S
W1	T
U2	
V2	
W2	
GRN/YEL	GROUND
DELTA CONNECTION	
LEAD	200 VOLTS
U1	R
W2	
V1	S
U2	
W1	T
V2	
GRN/YEL	GROUND

PIN-OUT	
ENCODER CONNECTOR	
PIN	FUNCTION
A	SIN +
B	SIN -
C	COS +
D	COS -
E	DATA +
F	DATA -
G-M	-
N	+9 VDC
P	COM
R	TS +
S	TS -
T-V	-

MOTOR CONNECTION	
TERMINAL BOX	
LEAD	SOURCE
U1	L1
V1	L2
W1	L3
GREEN	GROUND

SUPPLIER PART NUMBER: L16M5249

NOTE: ALL DRAWING MODIFICATIONS REQUIRE CUSTOMER APPROVAL

REFERENCES		DESCRIPTION	CAD DOCUMENT
VERSION/ CHANGE NUMBER	TOLERANCES UNLESS OTHERWISE SPECIFIED	HPK-E1613E-SA42AA,ESM	
	DO NOT SCALE DRAWING DIMENSIONS ARE IN MILLIMETERS WITH INCHES REFERENCED EX) UNTOLERANCED DIMENSIONS ARE REFERENCED THIRD ANGLE PROJECTION	Rockwell Automation	Allen-Bradley
		DR. SDR	DATE 06-23-06
		SHEET 1	OF 1
		DWG. SIZE B	DOCUMENT NUMBER 10000000133