

1. MOTOR INFORMATION  
 MOTOR TYPE: VARIABLE SPEED AC  
 FRAME SIZE: RDL1613Y  
 RATING: 7.37 KW  
 VOLTAGE: 400

ENCLOSURE: TOTALLY ENCLOSED IP54  
 MOUNTING: FLANGE (350mm BOLT CIRCLE)  
 COOLING: BLOWER COOLED IC416  
 DRIVE METHOD: COUPLED OR BELTED  
 ACCESSORIES: ENCODER & BRAKE

2. CONTINUOUS STALL TORQUE: 237 Nm  
 MAX AT 155°C WINDING TEMPERATURE, IN A 40°C  
 AMBIENT

3. OPERATING SPEED: 3000 BASE SPEED / 5000 RPM MAX.

4. 1024 SINUSOID/REV ENCODER, WITH  
 SINGLE-TURN ABSOLUTE POSITION DATA

5. FOR ADDITIONAL SPECIFICATIONS  
 SEE 10000000383

6. SHAFT HEIGHT WILL NOT BE EXCEEDED  
 SHIMS UP TO 0.5 MM IN THICKNESS USUALLY  
 REQUIRED FOR COUPLED OR GEARED MACHINES.

7. 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.

8. MAX SHAFT TIR .06 (0.0021)  
 MAX FACE TIR .13 (0.0051)

9. MOTOR WEIGHT 305 KG (672 LBS) (MAY VARY 15%)

10. BRAKE: 400VAC 20 Nm MAX. HOLDING TORQUE,  
 BRAKE RELEASES WHEN VOLTAGE APPLIED

BLOWER CONNECTION	
LEAD	400 VOLTS
T1	L1
T2	L2
T3	L3
T4	L3
T5	L3
T6	L3
T7	L3
T8	L3
T9	L3

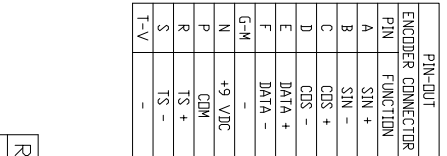
PIN-OUT	
ENCODER CONNECTOR	PIN FUNCTION
A	SIN +
B	SIN -
C	CDS +
D	CDS -
E	DATA +
F	DATA -
G-M	-
N	+9 VDC
P	COM
R	TS +
S	TS -
T-V	-

MOTOR CONNECTION	
LEAD	TERMINAL BOX
U1	L1
U2	L2
W1	L3
GREEN	GROUND

BRAKE CONNECTION	
LEAD	460 V 1 PHASE
BI	L1
B2	L2



NOTE: ALL DRAWING MODIFICATIONS REQUIRE CUSTOMER APPROVAL  
 SUPPLIER PART NUMBER: L16MS311

VERSION/ CHANGE NUMBER	TOLERANCES UNLESS OTHERWISE SPECIFIED	CAD DOCUMENT
	DO NOT SCALE DRAWING DIMENSIONS ARE IN MILLIMETERS WITH INCH DIMENSIONS IN PARENTHESES UNLESS DIMENSIONS ARE REFERENCE THIRD ANGLE PROJECTION	

REFERENCES

HPK-E1613E-SC44AA,ESM

**Rockwell Automation**

Allen-Bradley

DR. AMB DATE 09-19-06 SHEET 1 OF 1

DXF FILE AVAILABLE

DWG. DOCUMENT NUMBER 10000000403