

- SPECIFICATIONS:**
- 1. MOTOR INFORMATION
MOTOR TYPE: VARIABLE SPEED AC
FRAME SIZE: RDL1613Y
RATING: 75 kW
VOLTAGE: 460
ENCLOSURE: TOTALLY ENCLOSED IP54
MOUNTING: FLANGE (350mm BOLT CIRCLE)
COOLING: BLOWER COOLED ICA16
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
FOR ADDITIONAL SPECIFICATIONS
SEE L16M5209ESE
 - 5. SHAFT HEIGHT WILL NOT BE EXCEEDED
SHIMS UP TO 0.5 MM IN THICKNESS USUALLY
REQUIRED FOR COUPLED OR GEARED MACHINES.
 - 6. 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.
 - 7. MOTOR WEIGHT 305 KG. 1672 LBS (MAY VARY 15%)
 - 8. MAX SHAFT TIR .13 [0.0051]
 - 9. MAX FACE TIR .13 [0.0051]
 - 10. BRAKE: 460VAC 20 Nm MAX. HOLDING TORQUE,
BRAKE RELEASES WHEN VOLTAGE APPLIED

BLOWER CONNECTION	
LEAD	460 VOLTS
11	L1
12	L2
13	L3
14	L3
15	L3
16	L3
17	L3
18	L3
19	L3

SERIES	
LEAD	460 VOLTS
11	L1
12	L2
13	L3
14	L3
15	L3
16	L3
17	L3
18	L3
19	L3

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

MOTOR CONNECTION	
TERMINAL BOX	LEAD
L1	L1
L2	L2
L3	L3
VI	VI
L3	L3
GREEN	GROUND

BRAKE CONNECTION	
460 V 1 PHASE	LEAD
BR	BR
L1	L1
L2	L2

DRIVE END SHAFT DETAIL SPEC (9)	
16.00 / 15.95	[6.30 / .6281]
49/48.5	[1.93/1.91]
59/48.5	[2.32/2.311]

NOTE: ALL DRAWING MODIFICATIONS REQUIRE CUSTOMER APPROVAL

REV	C/R	REVISION DESCRIPTION	DATE	BY

UNLESS OTHERWISE SPECIFIED
DO NOT SCALE DRAWING
DIMENSIONS ARE IN MILLIMETERS
WITH INCHES REFERENCED EXCEPT
WHERE SHOWN OTHERWISE
THIRD ANGLE PROJECTION

DESIGNED BY	DATE	APPROVED BY	DATE

CATALOG NO. HPK-B1613E-SC44AA-ESM

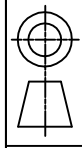
PART NO. L16M5209

SCALE: 1/16" = 1"

DWG. SIZE: C

SHEET: 1 OF 1

DXF FILE AVAILABLE



Allen-Bradley