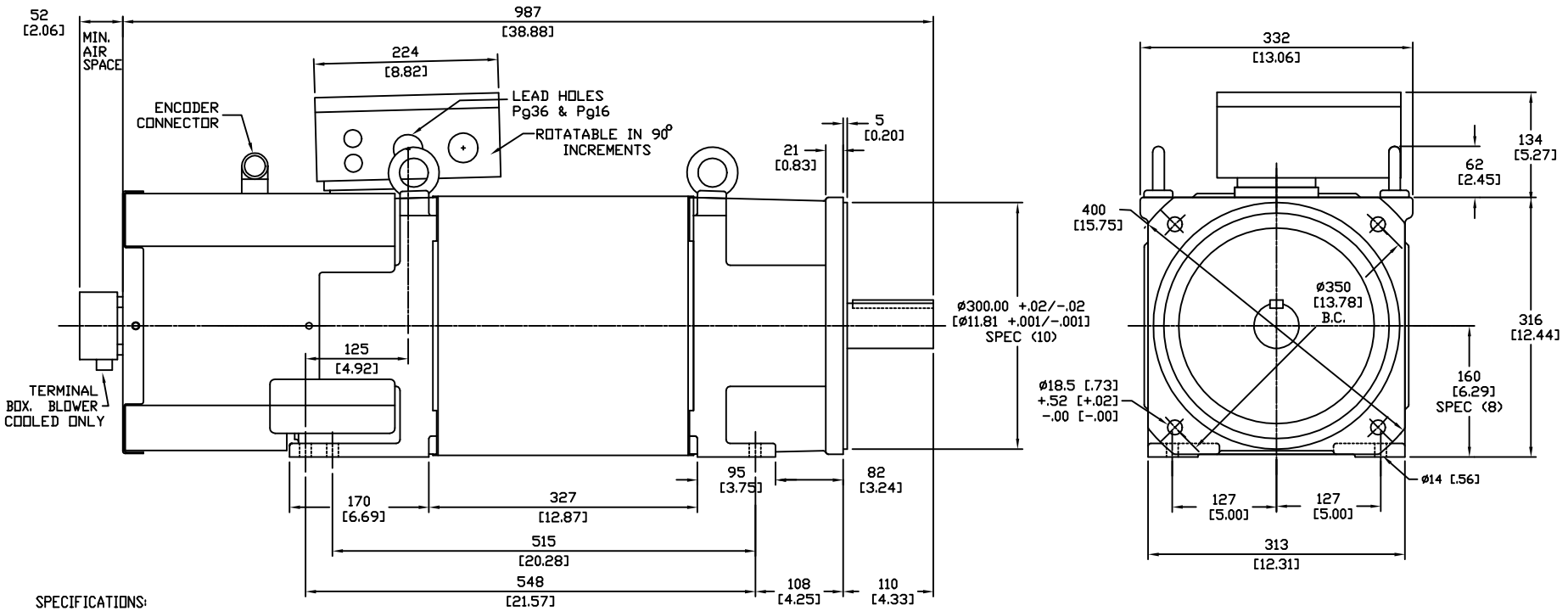
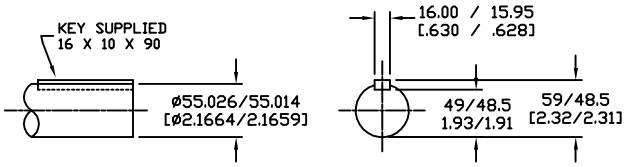


SPECIFICATIONS:

1. MOTOR INFORMATION
   - MOTOR TYPE: VARIABLE SPEED AC
   - FRAME SIZE: RDL1613Y
   - RATING: 41.7 KW
   - VOLTAGE: 460
   - ENCLOSURE: TOTALLY ENCLOSED IP54
   - MOUNTING: FLANGE (350mm BOLT CIRCLE)
   - COOLING: BLOWER COOLED IC416
   - DRIVE METHOD: COUPLED OR BELTED
   - ACCESSORIES: ENCODER
2. CONTINUOUS STALL TORQUE: 271 Nm
   MAX AT 155°C WINDING TEMPERATURE, IN A 40°C AMBIENT
3. OPERATING SPEED: 1500 BASE SPEED / 3000 RPM MAX.
4. 1024 SINUSOID/REV ENCODER, WITH MULTI-TURN ABSOLUTE POSTION DATA
5. FOR ADDITIONAL SPECIFICATIONS SEE L16M5172ESE
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 [.002]
   MAX FACE TIR .13 [.005]
9. MOTOR WEIGHT 275 KG. [606 LBS] (MAY VARY 15%)



DRIVE END
SHAFT DETAIL
SPEC (9)

BLOWER CONNECTION	
STAR CONNECTION	
LEAD	460 VOLTS
U1	R
V1	S
W1	T
U2	
V2	
W2	
GRN/YEL	GROUND
DELTA CONNECTION	
LEAD	230 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

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 [X.X]
UNTOLERANCED DIMENSIONS ARE REFERENCE
THIRD ANGLE PROJECTION

DRAWN BY WEM DATE 1/25/06
APPROVED BY WEM DATE 1/25/06

CATALOG NO. HPK-B1613C-MA42AA-ESM

Allen-Bradley

PART NO. L16M5172

SCALE : N/A | DWG SIZE C | SHEET 1 OF 1

DXF FILE AVAILABLE