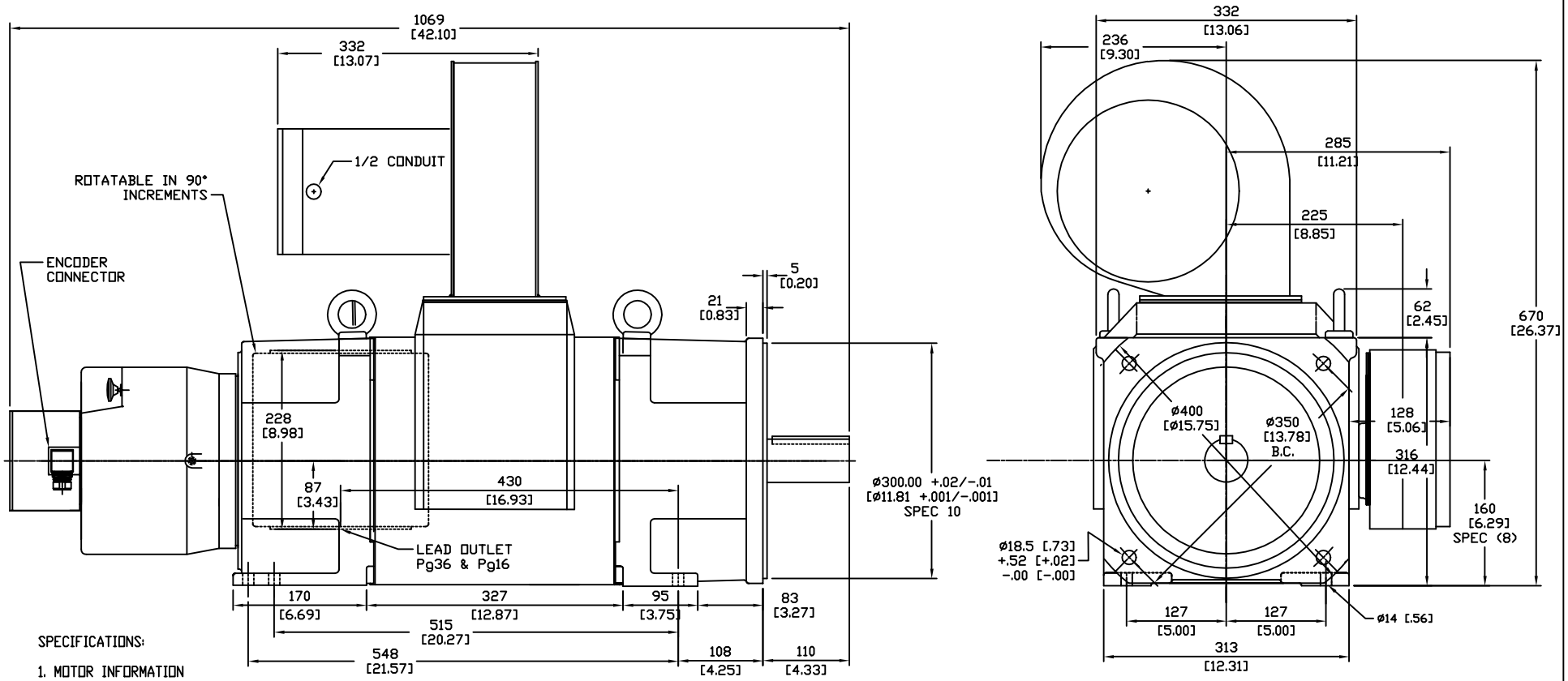
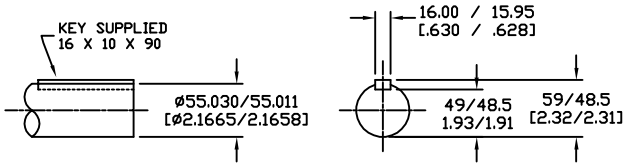


SPECIFICATIONS:

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 & BRAKE
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 SINGLE-TURN ABSOLUTE POSTION DATA
5. FOR ADDITIONAL SPECIFICATIONS SEE L16M5202ESE
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 305 KG. [672 LBS] (MAY VARY 15%)
10. BRAKE: 460VAC 20 Nm MAX. HOLDING TORQUE, BRAKE RELEASES WHEN VOLTAGE APPLIED



DRIVE END
SHAFT DETAIL
SPEC (9)

BLOWER CONNECTION	
SERIES	
LEAD	460 VOLTS
T1	L1
T2	L2
T3	L3
T4	
T5	
T6	
T7	
T8	
T9	
PARALLEL	
LEAD	230 VOLTS
T1	L1
T2	L2
T3	L3
T4	
T5	
T6	
T7	
T8	
T9	

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

BRAKE CONNECTION	
460 V 1 PHASE	
LEAD	SOURCE
B1	L1
B2	L2

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	DATE	APPROVED BY	DATE
GWS	3/03/06	WEM	3/03/06

CATALOG NO. HPK-B1613C-SC44AA-ESM

Allen-Bradley

PART NO. L16M5202

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

DXF FILE AVAILABLE