


TD-103-1 Rev No 5	Form No.		PRODUCT STANDARD PULVERISERS HYDERABAD		Product STD NO.	BA 53147
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90 KW INDUCTION MOTOR (KMP 350 PGB)

The Motor is used to drive KMP 350 Planetary gearboxes. The specification of the Motor, in general, is as given below:

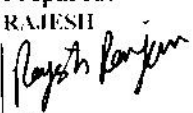

a) Type of motor	: squirrel cage induction motor
b) Voltage, Frequency, Phases	: 415V, 50 HZ, 3 Phase.
c) Voltage variation	: $\pm 10\%$
d) Frequency variation	: $\pm 5\%$
e) Type of Protection	: IP 55
f) Method of cooling	: Totally enclosed fan cooled
g) Type of Duty	: S1 (Continuous Duty)
h) Earthing points	: Shall be provided as per IS: 3043
i) Direction of Rotation	: Clock-wise (when viewed from drive end)
j) Class of insulation	: Class F
k) Method of Starting	: Direct on line
l) Terminal box to be mounted on top. For details of output power, rated speed, frame Size, type of construction; the variant table may please be referred.	
m) Ambient temperature	: 2 to 50 ° C


The supply shall include required double compression type cable glands, necessary fasteners to mount/ fix the motors and required cable lugs (U Type). The Motor shall be suitable for Foot-mounting.

The motors should conform to IS: 325 generally in all respects.

TESTS:

Routing tests as per Clause 22.3.2 of IS: 325 shall be witnessed by BHEL/BHEL nominated representative.

Revisions: Refer to record of revisions:	Prepared: RAJESH 	Approved: JGK 	Date: 17.04.09
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Documents to be submitted:

A. Along with the offer: [2 hard copies]

A1. General arrangement and dimensional drawing.
 A2. Data sheet of the motors giving the details of all performance characteristics. The values of performance shall be in accordance with IS: 8789.
 A3. The details of bearings used (make, bearing no., qty).
 A4. Certificates of Type tests as per Clause 22.3.1 (a to t) in the format as Annexure 'C' of IS: 325.

B. After the placement of Purchase Order: [1 soft copy on CD & 2 hard copies.]

B1. General arrangement and dimensional drawing for approval.
 B2. Quality Plan for approval.
 B3. Installation, operation and maintenance manuals.

Variant Table:

Var. No.	Output Power (KW)	Rated speed (RPM)	Frame Size	Driven Equipment	Construction	Matl. code
01	90	1000	280M	KMP 350 PGB	B3 (Foot Mounted)	BA9753147015

NOTE: Frame size and type of construction are as per IS: 1231 and IS: 2253 respectively.

PACKING:

The motor will be packed for shipment after the completion of all the testing and inspections and the painting is over. The packing shall be suitable to prevent any transit damage.

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RECORD OF REVISIONS

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