



# STARTING TORQUES FOR RADIAL FAN

## TYPE : NDV 20

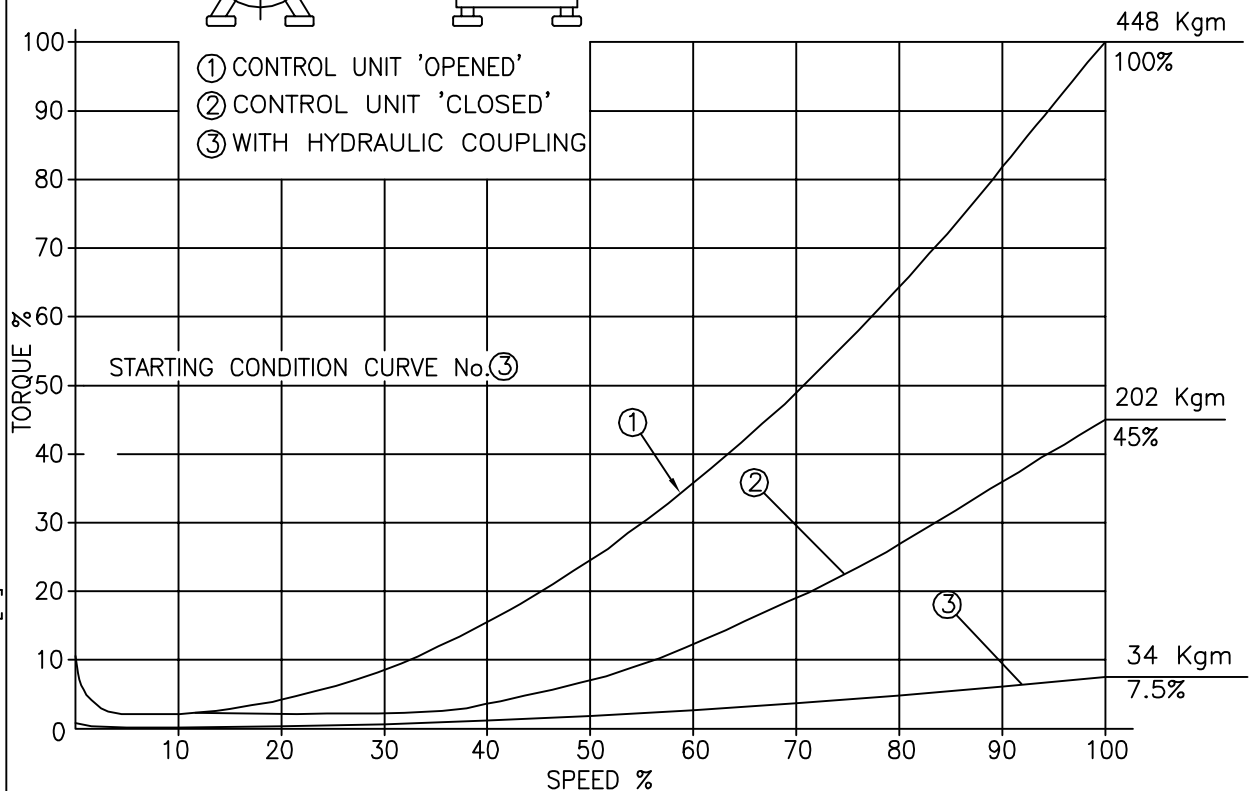
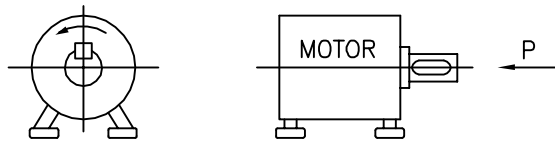
QTY/BLR:2(TWO)  
WITH HYDRAULIC COUPLING

APPLICATION : PRIMARY AIR FAN  
 PROJECT : 1X125 MW COAL FIRED POWER PLANT IN SENDOU,BARGNY,SENEGAL,AFRICA  
 CUSTOMER No. : R132  
 POWER ABSORBED AT THE MOTOR COUPLING AT RATED OUTPUT ['P' MAX] : 680 KW  
 RECOMMENDED MOTOR RATING : 800 KW  
 FAN SPEED : 1427 RPM  
 MOTOR SPEED : 1480 RPM  
 TORQUE AT 'P' MAX. REFERRED TO THE MOTOR SPEED : 448 Kgm  
 DENSITY OF THE MEDIUM HANDLED : 1.0831 Kg/cubic meter  
 GD<sup>2</sup> REFERRED TO FAN SHAFT : 2200 Kg sq meter.  
 GD<sup>2</sup> REFERRED TO PRIMARY PART OF HYDRAULIC COUPLING : 100 Kg sq meter.

\* FOR COLD START  
 WITH AN INLET TEMPERATURE OF 16°C HAVING A DENSITY OF 1.211 Kg/cubic meter  
 THE TORQUE HAS TO BE MULTIPLIED BY A FACTOR OF 1.12

FAN IS DIRECTLY COUPLED WITH MOTOR BY HYDRAULIC COUPLING

VIEW-P



MAX. ALLOWABLE TORQUE : 3.0 X RECOMMENDED MOTOR RATED TORQUE

FLEXIBLE/HYDRAULIC/STARTING CLUTCH

1600 026 4056 [4]

REV 02	ALTERD: A.KIRAN DATE: 06.01.14	CHECKED: V.P.SHYAM DATE: 06.01.14	REVISION IS AS PER THE REVISED CPT RECEIVED FROM BHEL TRICHY VIDE E.MAIL DTD: 04.01.14.
REV 01	ALTERD: A.KIRAN DATE: 10.06.13	CHECKED: V.P.SHYAM DATE: 10.06.13	MOTOR RATING & TORQUE VALUES UPDATED IN LINE WITH CONTRACT.
DRAWN: A.KIRAN DATE: 28.05.13	CHECKED: T.S.S.RAJ DATE: 28.05.13	APPROVED: V.P.SHYAM DATE: 28.05.13	DRG No. 4-00-104-31973
			REV 02