



# STARTING TORQUES FOR RADIAL FAN

## TYPE : NDZV 28

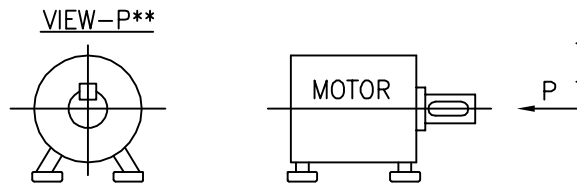
FLEXIBLE/HYDRAULIC/STARTING CLUTCH

QTY/BLR:2(TWO)  
WITH HYDRAULIC COUPLING

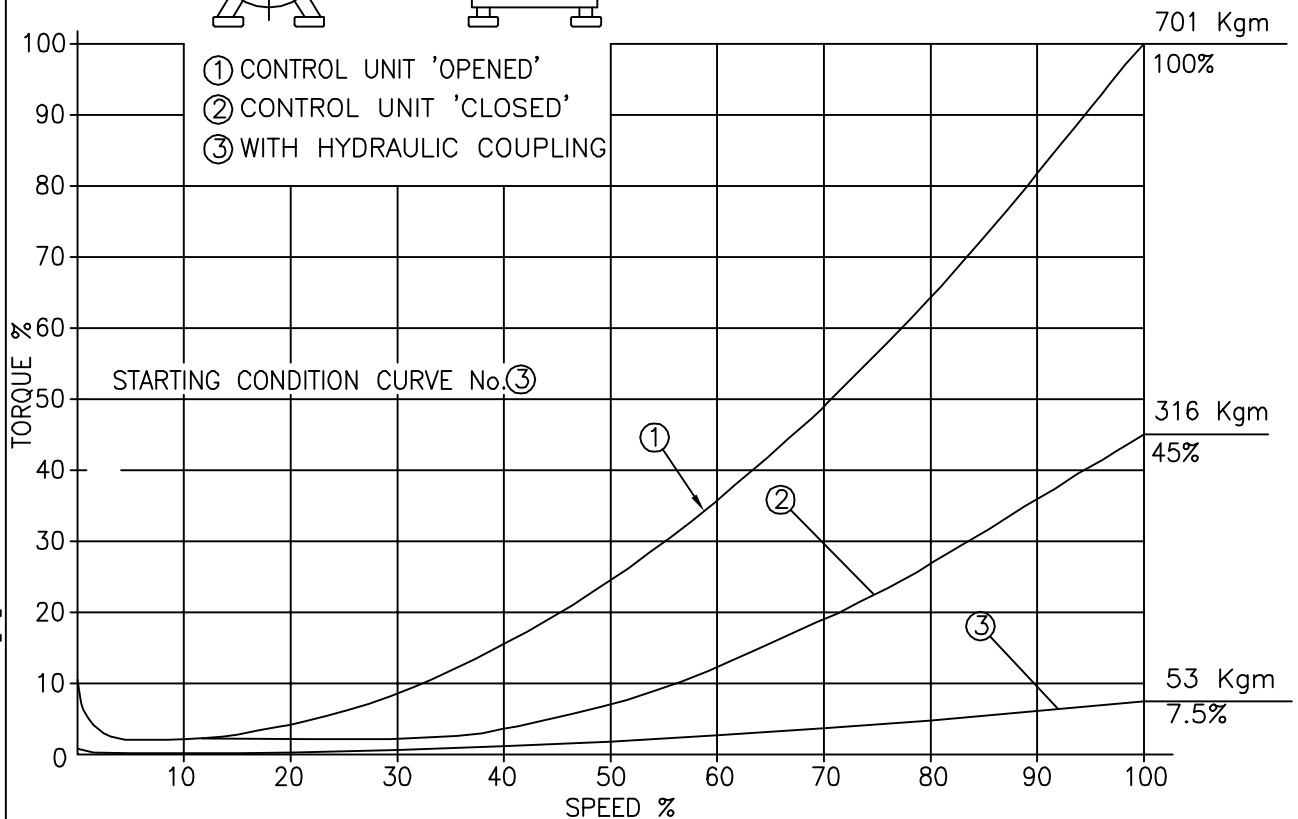
APPLICATION : INDUCED DRAFT FAN  
 PROJECT : 1X125 MW COAL FIRED POWER PLANT IN SENDOU,BARGNY,SENEGAL,AFRICA  
 CUSTOMER No. : R132  
 POWER ABSORBED AT THE MOTOR COUPLING AT RATED OUTPUT ['P' MAX] : 532 KW  
 RECOMMENDED MOTOR RATING : 650 KW  
 FAN SPEED : 713 RPM  
 MOTOR SPEED : 740 RPM  
 TORQUE AT 'P' MAX. REFERRED TO THE MOTOR SPEED : 701 Kgm  
 DENSITY OF THE MEDIUM HANDLED : 0.833 Kg/cubic meter  
 GD<sup>2</sup> REFERRED TO FAN SHAFT : 20160 Kg sq meter.  
 GD<sup>2</sup> REFERRED TO PRIMARY PART OF HYDRAULIC COUPLING : 500 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 1.46

FAN IS DIRECTLY COUPLED WITH MOTOR BY HYDRAULIC COUPLING



\*\*BHEL/BHOPAL TO GET CONFIRMATION  
 ON DIRECTION OF ROTATION OF THE MOTOR



MAX. ALLOWABLE TORQUE : 3.0 X RECOMMENDED MOTOR RATED TORQUE

REV 01	ALTERD: A.KIRAN DATE: 10.06.13	CHECKED:V.P.SHYAM DATE: 10.06.13	MOTOR RATING 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. 4-00-103-31972	REV 01

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