



STARTING TORQUES FOR RADIAL FAN

TYPE : NDV 20

FLEXIBLE/HYDRAULIC/STARTING CLUTCH

QTY/BLR:2(TWO)
WITH HYDRAULIC COUPLING

APPLICATION : FORCED 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] : 291 KW

RECOMMENDED MOTOR RATING : 310 KW

FAN SPEED : 923 RPM

MOTOR SPEED : 980 RPM

TORQUE AT 'P' MAX. REFERRED TO THE MOTOR SPEED : 268 Kgm

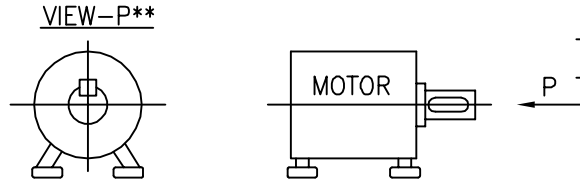
DENSITY OF THE MEDIUM HANDLED : 1.0641 Kg/cubic meter

GD² REFERRED TO FAN SHAFT : 3600 Kg sq meter.

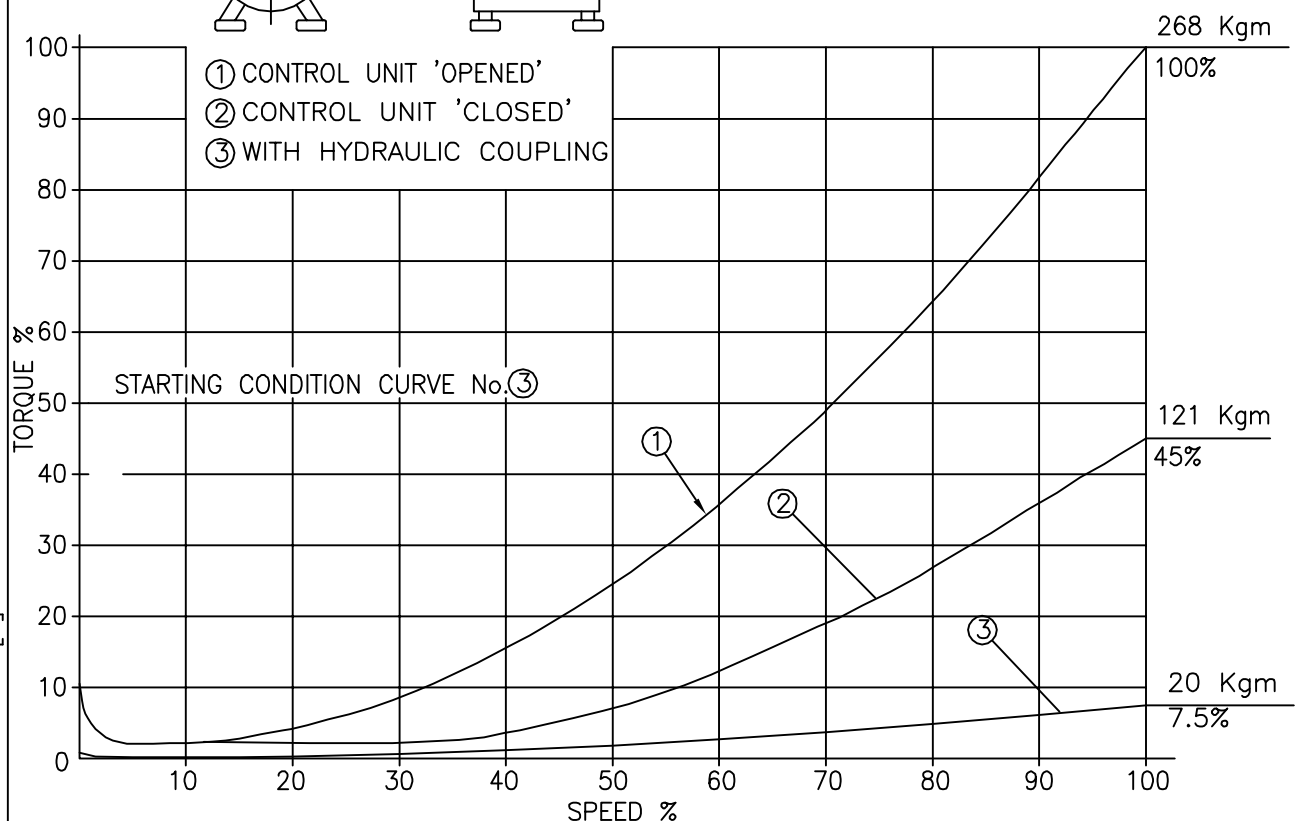
GD² REFERRED TO PRIMARY PART OF HYDRAULIC COUPLING : 100 Kg sq meter.

* 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 1.14

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	FAN SIZE,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. 4-00-102-31971
			REV 01

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