



STARTING TORQUES FOR AXIAL FAN

PAF 20.5/11.2-2

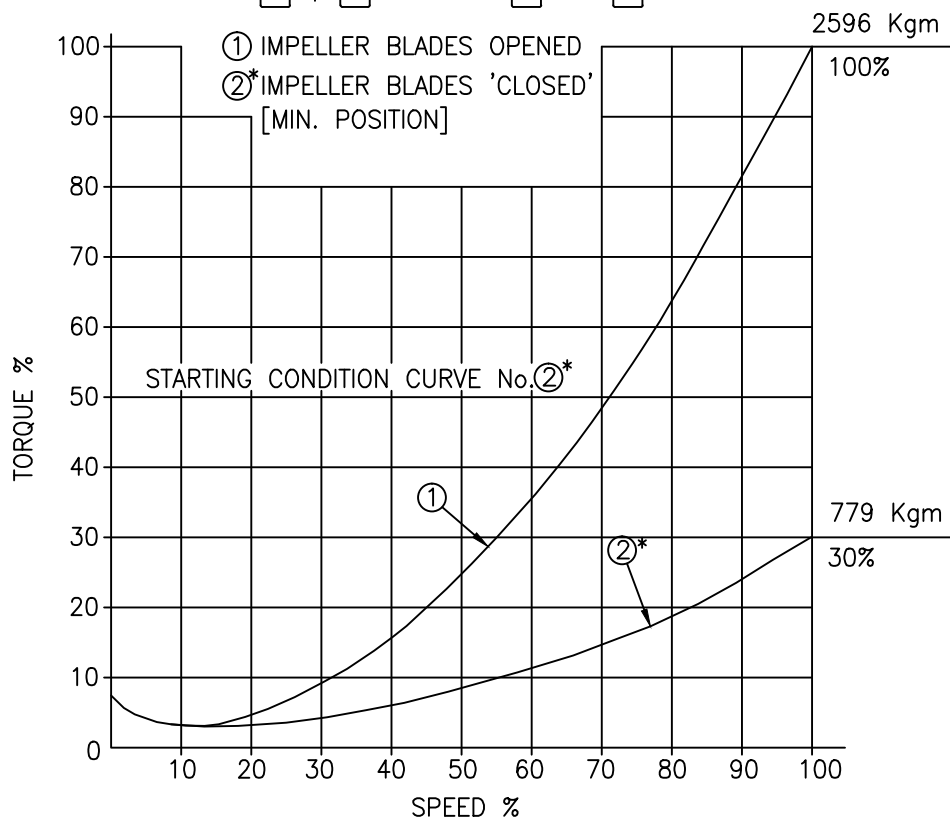
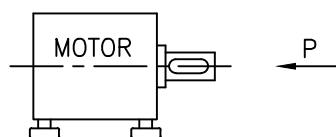
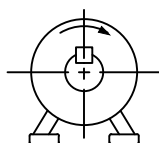
APPLICATION : PRIMARY AIR FAN NO.OF FANS /BOILER: TWO
PROJECT : TSGENCO/YADADRI TPS-5X800 MW
CUSTOMER No. : R827-R831
POWER ABSORBED AT THE MOTOR COUPLING AT RATED OUTPUT ['P' MAX] : 3970 KW
RECOMMENDED MOTOR RATING : 4375 KW
FAN SPEED : 1490 RPM
MOTOR SPEED : 1490 RPM
TORQUE AT 'P' MAX. REFERRED TO THE MOTOR SPEED : 2596 Kgm
DENSITY OF THE MEDIUM HANDLED : 1.075 Kg/cubic meter
GD² REFERRED TO FAN SHAFT : 1800 Kg sq meter.

FOR COLD START

WITH AN INLET TEMPERATURE OF 27°C HAVING A DENSITY OF 1.157 Kg/cubic meter
THE TORQUE HAS TO BE MULTIPLIED BY A FACTOR OF 1.08

FAN IS DIRECTLY COUPLED WITH MOTOR BY SPACER COUPLING

VIEW-P



DRAWN: A.KIRAN	CHECKED: UMASHANKAR	APPROVED: P.M.JAVID	DRG No.	REV No.
DATE: 24.10.17	DATE: 24.10.17	DATE: 24.10.17	4-00-104-32142	01