



**Addax® Couplings**  
 6040 Fletcher Ave., Lincoln, NE 68507 (402)325-6000 Fax (402)325-6404

## Cooling Tower Coupling Specification Sheet

Reference no: Q17000762	User Name: Cenk
Selected By: HDV	User Location: T.281/M15
Remarks:	

### Input Data

Motor Data :	Motor RPM	1480	RPM
	Motor HP	75	kW
	Motor Hub Bore	75.000	mm
Fan Data	Fan Speed	163	RPM
	Blade Pass Frequency	652	RPM
	No of Fan Blades	4	
	Gear Hub Bore	60.000	mm
	Distance Between Shaft Ends (DBSE)	3100.00	mm
	Required Minimum Service Factor	2.0	

### Motor Torque Data

Motor Full Load torque	477	N-m
Motor Peak Torque	1444	N-m
Special Motor		
Motor Full Load Torque X Service Factor	955	N-m

### Coupling Engineering Data

Model Selected by SelectC	LRA485.338SS	
Rated Continuous Torque	1243	N-m
Rated Peak Overload Torque	1864	N-m
Actual Service Factor based on Motor HP	2.6	
Total Coupling Weight	13	kg
Moment of Inertia (WR^2)	0.030	kg-m^2
Maximum DBSE Allowed @ 1480 RPM	3226	mm
Critical Speed	1851	RPM
Critical Speed Safety Factor	1.25	
Maximum Bore This Model	85.750	mm
Spacer OD	85.72	mm
Max Coupling Diameter	152.40	mm
Max. Angular Misalignment ( Per End)	1	Deg
End Float (Continuous)	1.3	mm

Dynamically Balanced Per VDI 2060 Class Q6.3



Member



CAUTION - Special or Variable speed motor in use.