

Fan Blade Replacement BTX 120% Capacity Increment

Fan Model 01E001A M0.1

Flow (m ³ /s)	
Existing Flow	55.11
Design flow	69.0
Design Flow (TOR)	72.5
Actual Flow	78.8
%increase from TOR	9%
power (kW)	
Existing	Coolflo
11.9	15.1
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/5	FRP/8



Existing



Coolflo

Fan Model 01E001A M0.2

Flow (m ³ /s)	
Existing Flow	64.8
Design flow	69.0
Design Flow (TOR)	72.5
Actual Flow	79.0
%increase from TOR	9%
power (kW)	
Existing	Coolflo
14.34	16.42
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/5	FRP/8



Existing



Coolflo

Fan Model 01E001B M0.1

Flow (m ³ /s)	
Existing Flow	38.1
Design flow	69.0
Design Flow (TOR)	72.5
Actual Flow	82.2
%increase from TOR	14%
power (kW)	
Existing	Coolflo
7.6	16.25
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/5	FRP/8



Existing



Coolflo

Fan Model 01E001B M0.2

Flow (m ³ /s)	
Existing Flow	72.64
Design flow	69.0
Design Flow (TOR)	72.5
Actual Flow	83.4
%increase from TOR	16%
power (kW)	
Existing	Coolflo
14.35	16.49
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/5	FRP/8



Existing



Coolflo

Fan Model 02E009A M0.1

Flow (m ³ /s)	
Existing Flow	78.6
Design flow	80.4
Design Flow (TOR)	84.4
Actual Flow	101.1
%increase from TOR	21%
power (kW)	
Existing	Coolflo
15.6	20.90
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
AI/7	FRP/8



Existing



Coolflo

Fan Model 02E009A M0.2

Flow (m ³ /s)	
Existing Flow	63.9
Design flow	80.4
Design Flow (TOR)	84.4
Actual Flow	91.9
%increase from TOR	9%
power (kW)	
Existing	Coolflo
16.9	18.29
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/7	FRP/8



Existing



Coolflo

Fan Model 02E009B M0.1

Flow (m ³ /s)	
Existing Flow	76.2
Design flow	80.4
Design Flow (TOR)	84.4
Actual Flow	92.6
%increase from TOR	10%
power (kW)	
Existing	Coolflo
15.7	19.55
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/7	FRP/8



Existing



Coolflo

Fan Model 02E009B M0.2

Flow (m ³ /s)	
Existing Flow	80.6
Design flow	80.4
Design Flow (TOR)	84.4
Actual Flow	91.9
%increase from TOR	9%
power (kW)	
Existing	Coolflo
17.83	18.46
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/7	FRP/8



Existing



Coolflo

Fan Model 02E009C M0.1

Flow (m ³ /s)	
Existing Flow	76.7
Design flow	80.4
Design Flow (TOR)	84.4
Actual Flow	91.8
%increase from TOR	9%
power (kW)	
Existing	Coolflo
15.00	19.10
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/7	FRP/8



Existing



Coolflo

Fan Model 02E009C M0.2

Flow (m ³ /s)	
Existing Flow	75.9
Design flow	80.4
Design Flow (TOR)	84.4
Actual Flow	95.2
%increase from TOR	13%
power (kW)	
Existing	Coolflo
17.93	18.89
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
AI/7	FRP/8



Existing



Coolflo

Fan Model 04E009A M0.1

Flow (m ³ /s)	
Existing Flow	65.5
Design flow	70.4
Design Flow (TOR)	73.9
Actual Flow	82.0
%increase from TOR	11%
power (kW)	
Existing	Coolflo
13.9	15.40
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/5	FRP/8



Existing



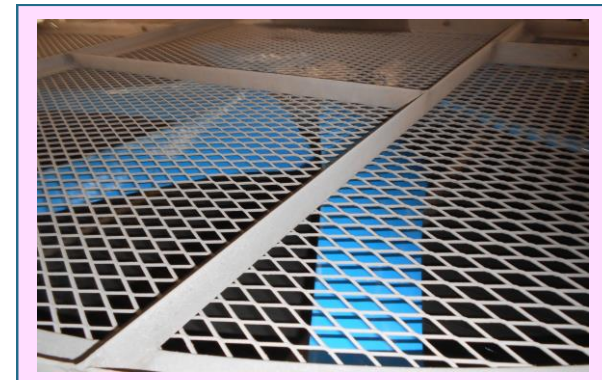
Coolflo

Fan Model 04E009A M0.2

Flow (m ³ /s)	
Existing Flow	62.4
Design flow	70.4
Design Flow (TOR)	73.9
Actual Flow	84.2
%increase from TOR	15%
power (kW)	
Existing	Coolflo
13.4	16.20
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/5	FRP/8



Existing



Coolflo

Fan Model 04E009B M0.1

Flow (m ³ /s)	
Existing Flow	49.9
Design flow	70.4
Design Flow (TOR)	73.9
Actual Flow	86.6
%increase from TOR	18%
power (kW)	
Existing	Coolflo
11.2	16.10
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/5	FRP/8



Existing



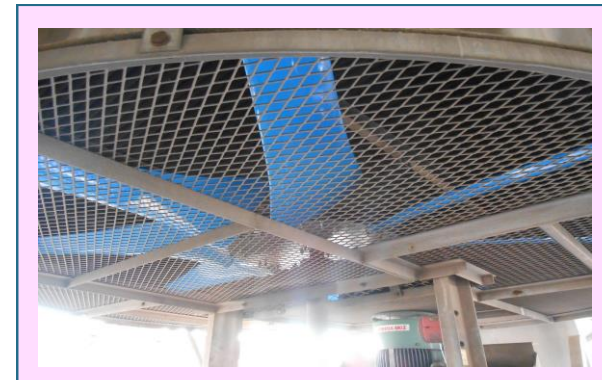
Coolflo

Fan Model 04E009B M0.2

Flow (m ³ /s)	
Existing Flow	62.8
Design flow	70.4
Design Flow (TOR)	73.9
Actual Flow	83.5
%increase from TOR	14%
power (kW)	
Existing	Coolflo
13.1	15.50
Load less than 95% of full load	
Blade No.	
Existing	Coolflo
Al/5	FRP/8



Existing



Coolflo