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SELECTION

International Measuring System (S.I.)

Soft.Ver. : 14.0.14
D.B.Ver. : 26.4.28006
Date : 08/21/2026
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MODEL : ES 25 /1.5 P

Quantity :

GENERAL DATA

Ref.	: EGG	Plant	: Vs. rif. 2023878
Customer	: PARTELLI	Item	:
		Service	: Waste water treatment

FLUID

Fluid	: Atmospheric air				
Spec. W.ght (kg/m ³)	: 1.199	Spec. Heat Cp (kJ/kg°C)	: 1.010	Spec. Heat Cv (kJ/kg°C)	: 0.723
Altitude (m)	: 0	Pressure (mbar)	: 1,013	Temperature (°C)	: 20
Relative humidity (%)	: 50				

TECHNICAL DATA

Delivery (m ³ /h)	Q1 : 267 FAD	*Delivery (Nm ³ /h)	Q2 : 238	*Delivery (kg/h)	Q3 : 307
		***Delivery T (Nm ³ /h)	Q2T : 240	***Delivery T (kg/h)	Q3T : 309
Delivery (m ³ /h)	Q4 :	*Delivery (Nm ³ /h)	Q4 :	*Delivery (kg/h)	Q4 :
Speed (rpm)	n4 :	***Delivery T (Nm ³ /h)	Q4T :	***Delivery T (kg/h)	Q4T :
Dif.pressure (mbar)	DP : 200	Inlet press. (mbar a)	P1 : 1,013	Outlet pres.(mbar a)	P2 : 1,213
Temp.rise(°C)	DT : 23	Inlet temp.(°C)	T1 : 30	Outlet temp.(°C)	T2 : 53
		Spec.W.ght (kg/m ³)	SW : 1.160	H2O injection (lt/min)	ia : 0.00
Abs.ed Power (kW)	N : 3.0	**Sound Pressure Level (dBA)	: 71	Heat radiation (kW)	Wd : 1.0
Speed (rpm)	n : 3,914	n/nmax (%)	: 78		
Volumetric efficiency (%)	: 84.2	Adiabatic efficiency (%)	: 93.6	Total efficiency (%)	: 46.4

*The Nm³/h and kg/h capacity are referred to the dry part of the conveyed gas/vapour mixture according DIN 1343

**Estimated sound pressure level at 1 m, free field with soundproof piping

***The Nm³/h and kg/h capacity are referred to total conveyed gas/vapour mixture

Performances tolerances following the Robuschi procedure TE1.S.0015 (Q1 = ±5% * nm³/n ; N = ± 5%)

ELECTRIC MOTOR

IEC Motor	: 112M	Hz	: 50	
Power (kW)	: 4.0	Poles	: 2	V : 220-240 D / 380-420 Y
Speed (rpm)	: 2,870	Size	:	

TRANSMISSION

Coupling type	:		
V-belt type	: XPZ	Length (mm)	: 1,280
Grooves	: 2	Mot.pulley Diam. (mm)	: 180
(Int.Code C441)		(Int.Code 032M)	
		Shaft centres (mm)	: 393
		Blower pulley diam. (mm)	: 132
		(Int.Code S028)	

WARNING

No warning

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GENERAL DATA

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Customer	: PARTELLI	Item	:
		Service	: Waste water treatment

FLUID

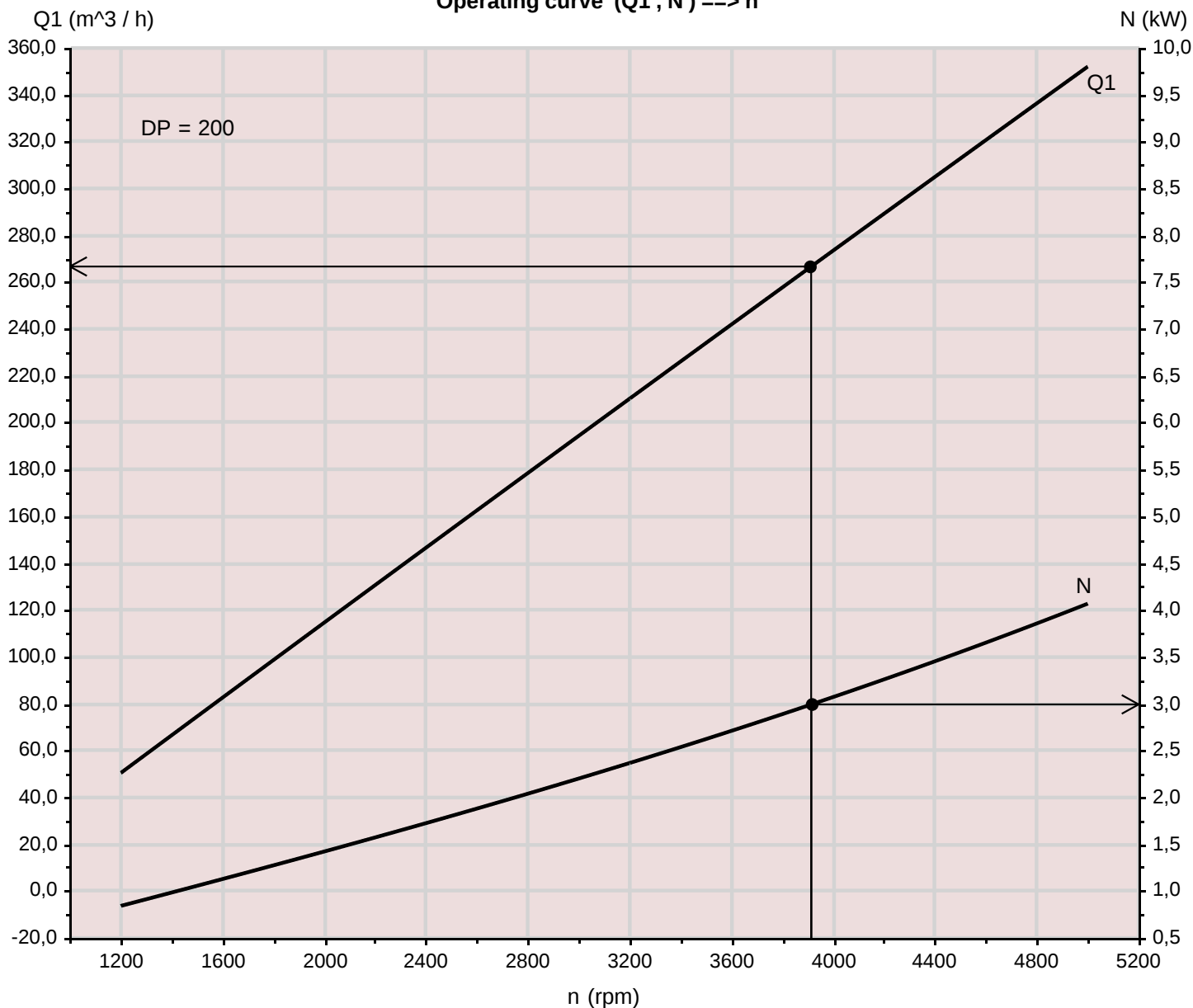
Fluid	: Atmospheric air			
Spec. W.ght (kg/m ³)	: 1.199	Spec. Heat Cp (kJ/kg°C)	: 1.010	Spec. Heat Cv (kJ/kg°C) : 0.723
Altitude (m)	: 0	Pressure (mbar)	: 1,013	Temperature (°C) : 20
Relative humidity (%)	: 50			

OPERATION POINT

Inlet press. (mbar a)	P1 : 1,013	Inlet temp.(°C)	T1 : 30	Spec.W.ght (kg/m ³)	SW : 1.160
Delivery (m ³ /h)	Q1 : 267	Dif.pressure (mbar)	DP : 200	Cp / Cv	: 1.4
Abs.ed Power (kW)	N : 3.0	Speed (rpm)	n : 3,914	n/nmax (%)	: 78

Performances tolerances following the Robuschi procedure TE1.S.0015 (Q1 = ±5% * nm_x/n ; N = ± 5%)

Operating curve (Q1 , N) ==> n



MODEL : ES 25 /1.5 P

Quantity :

GENERAL DATA

Ref.	: EGG	Plant	: Vs. rif. 2023878
Customer	: PARTELLI	Item	:
		Service	: Waste water treatment

FLUID

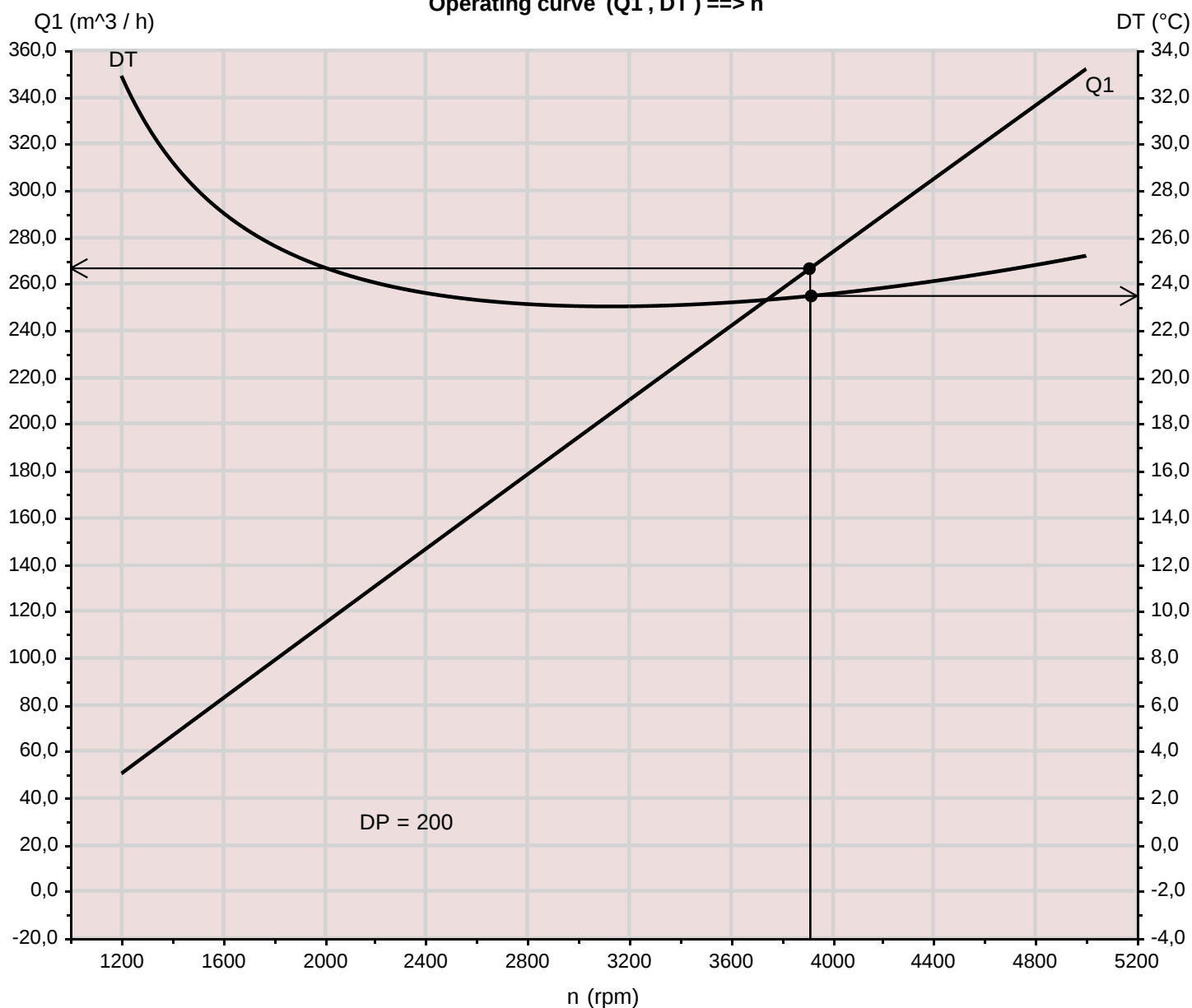
Fluid	: Atmospheric air				
Spec. W.ght (kg/m ³)	: 1.199	Spec. Heat Cp (kJ/kg°C)	: 1.010	Spec. Heat Cv (kJ/kg°C)	: 0.723
Altitude (m)	: 0	Pressure (mbar)	: 1,013	Temperature (°C)	: 20
Relative humidity (%)	: 50				

OPERATION POINT

Inlet press. (mbar a)	P1 : 1,013	Inlet temp.(°C)	T1 : 30	Spec.W.ght (kg/m ³)	SW : 1.160
Delivery (m ³ /h)	Q1 : 267	Dif.pressure (mbar)	DP : 200	Cp / Cv	: 1.4
Temp.rise(°C)	DT : 23	Speed (rpm)	n : 3,914	n/nmax (%)	: 78

Performances tolerances following the Robuschi procedure TE1.S.0015 (Q1 = ±5% * nm_x/n ; N = ± 5%)

Operating curve (Q1 , DT) ==> n



MODEL : ES 25 /1.5 P

Quantity :

GENERAL DATA

Ref. :	EGG	Plant :	Vs. rif. 2023878
Customer :	PARTELLI	Item :	
		Service :	Waste water treatment

FLUID

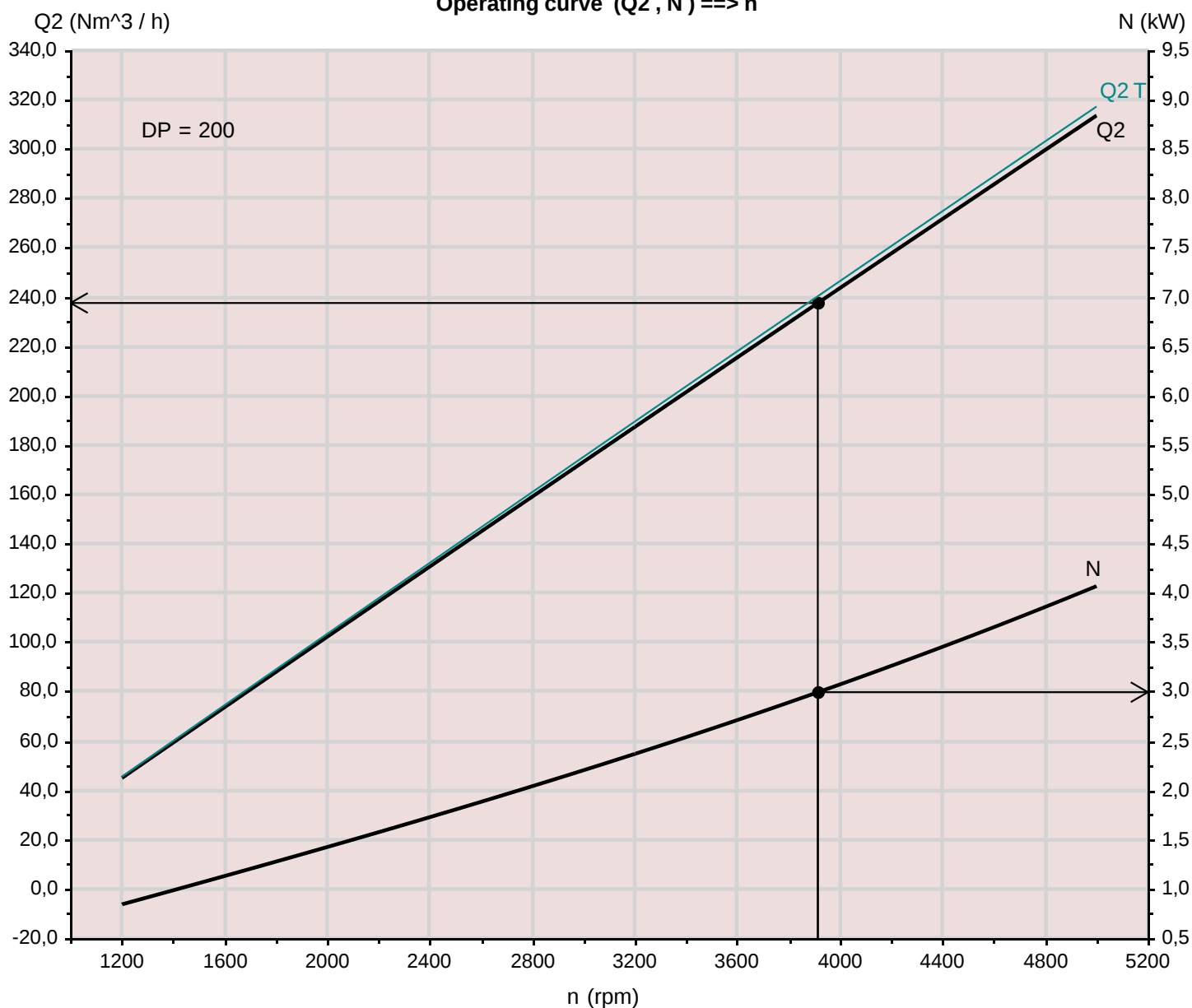
Fluid :	Atmospheric air				
Spec. W.ght (kg/m ³) :	1.199	Spec. Heat Cp (kJ/kg°C) :	1.010	Spec. Heat Cv (kJ/kg°C) :	0.723
Altitude (m) :	0	Pressure (mbar) :	1,013	Temperature (°C) :	20
Relative humidity (%) :	50				

OPERATION POINT

Inlet press. (mbar a) P1 :	1,013	Inlet temp.(°C) T1 :	30	Spec.W.ght (kg/m ³) SW :	1.160
Delivery (Nm ³ /h) Q2 :	238	Dif.pressure (mbar) DP :	200	Cp / Cv :	1.4
Abs.ed Power (kW) N :	3.0	Speed (rpm) n :	3,914	n/nmax (%) :	78

Performances tolerances following the Robuschi procedure TE1.S.0015 (Q1 = ±5% * nm_x/n ; N = ± 5%)

Operating curve (Q2 , N) ==> n



MODEL : ES 25 /1.5 P

Quantity :

GENERAL DATA

Ref.	: EGG	Plant	: Vs. rif. 2023878
Customer	: PARTELLI	Item	:
		Service	: Waste water treatment

FLUID

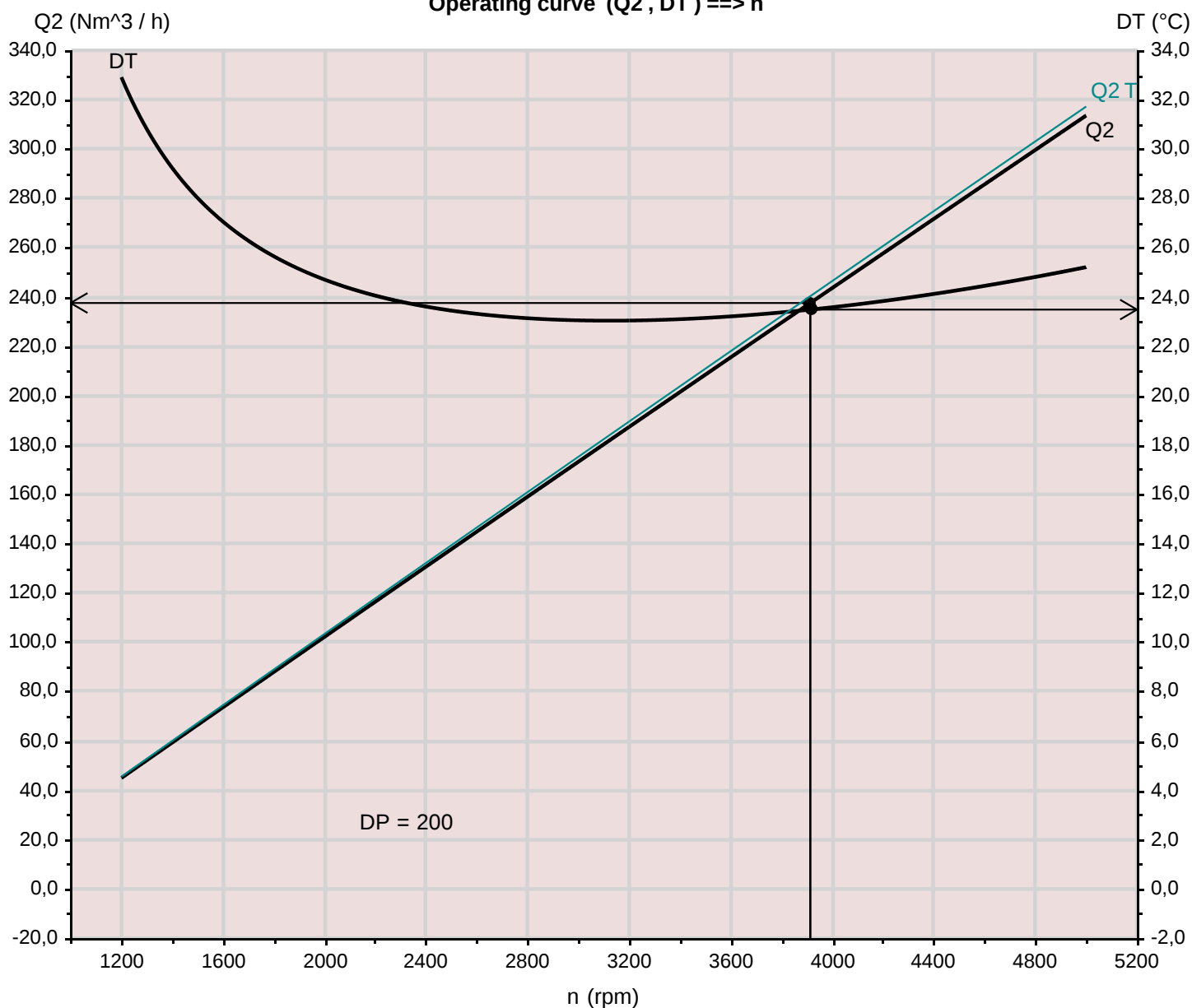
Fluid	: Atmospheric air			
Spec. W.ght (kg/m ³)	: 1.199	Spec. Heat Cp (kJ/kg°C)	: 1.010	Spec. Heat Cv (kJ/kg°C)
Altitude (m)	: 0	Pressure (mbar)	: 1,013	Temperature (°C)
Relative humidity (%)	: 50			: 20

OPERATION POINT

Inlet press. (mbar a)	P1 : 1,013	Inlet temp.(°C)	T1 : 30	Spec.W.ght (kg/m ³)	SW : 1.160
Delivery (Nm ³ /h)	Q2 : 238	Dif.pressure (mbar)	DP : 200	Cp / Cv	: 1.4
Temp.rise(°C)	DT : 23	Speed (rpm)	n : 3,914	n/nmax (%)	: 78

Performances tolerances following the Robuschi procedure TE1.S.0015 (Q1 = ±5% * nm_x/n ; N = ± 5%)

Operating curve (Q2 , DT) ==> n



MODEL : ES 25 /1.5 P

Quantity :

GENERAL DATA

Ref.	: EGG	Plant	: Vs. rif. 2023878
Customer	: PARTELLI	Item	:
		Service	: Waste water treatment

FLUID

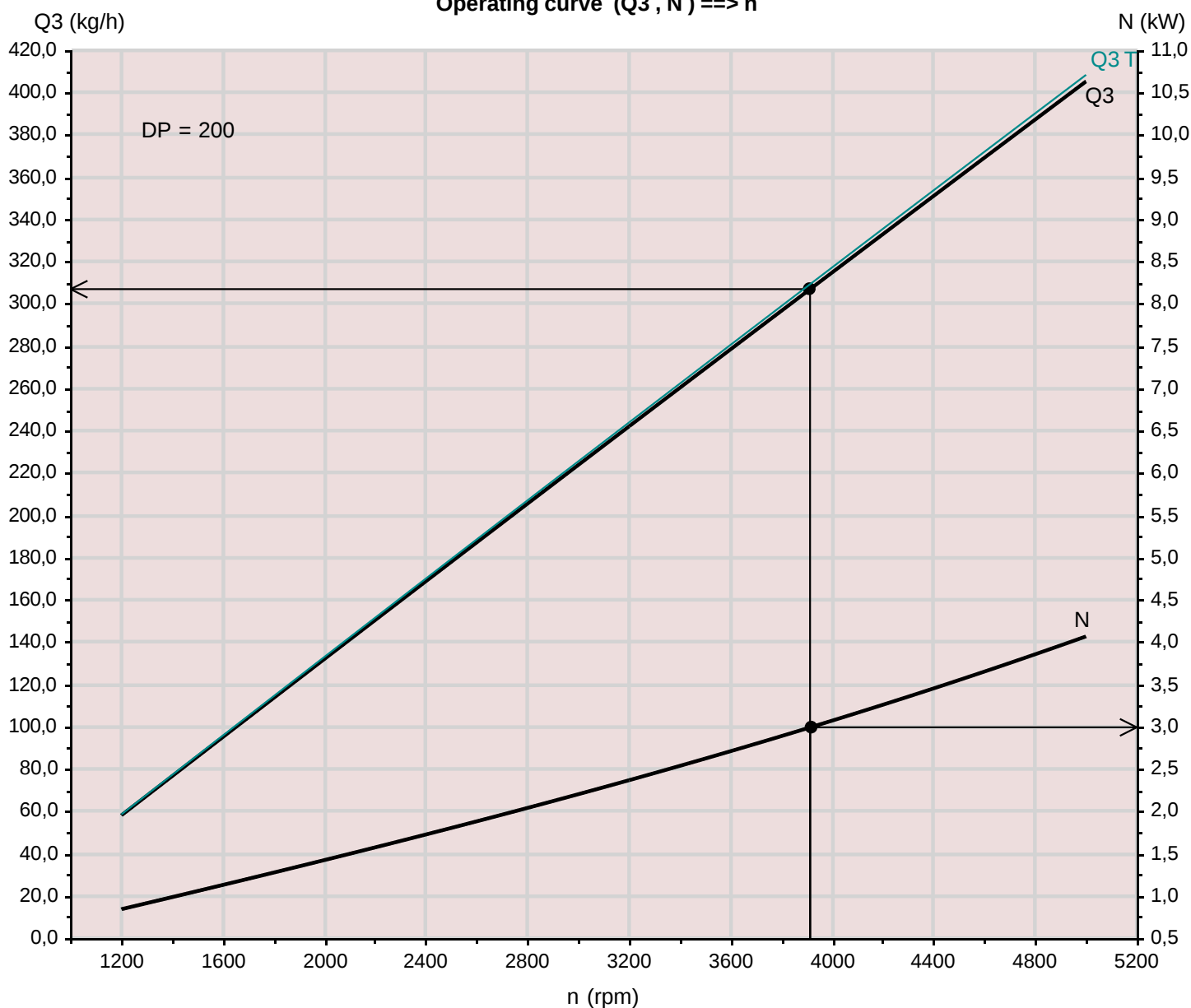
Fluid	: Atmospheric air				
Spec. W.ght (kg/m ³)	: 1.199	Spec. Heat Cp (kJ/kg°C)	: 1.010	Spec. Heat Cv (kJ/kg°C)	: 0.723
Altitude (m)	: 0	Pressure (mbar)	: 1,013	Temperature (°C)	: 20
Relative humidity (%)	: 50				

OPERATION POINT

Inlet press. (mbar a)	P1 : 1,013	Inlet temp.(°C)	T1 : 30	Spec.W.ght (kg/m ³)	SW : 1.160
Delivery (kg/h)	Q3 : 307	Dif.pressure (mbar)	DP : 200	Cp / Cv	: 1.4
Abs.ed Power (kW)	N : 3.0	Speed (rpm)	n : 3,914	n/nmax (%)	: 78

Performances tolerances following the Robuschi procedure TE1.S.0015 (Q1 = ±5% * nm_x/n ; N = ± 5%)

Operating curve (Q3 , N) ==> n



MODEL : ES 25 /1.5 P

Quantity :

GENERAL DATA

Ref.	: EGG	Plant	: Vs. rif. 2023878
Customer	: PARTELLI	Item	:
		Service	: Waste water treatment

FLUID

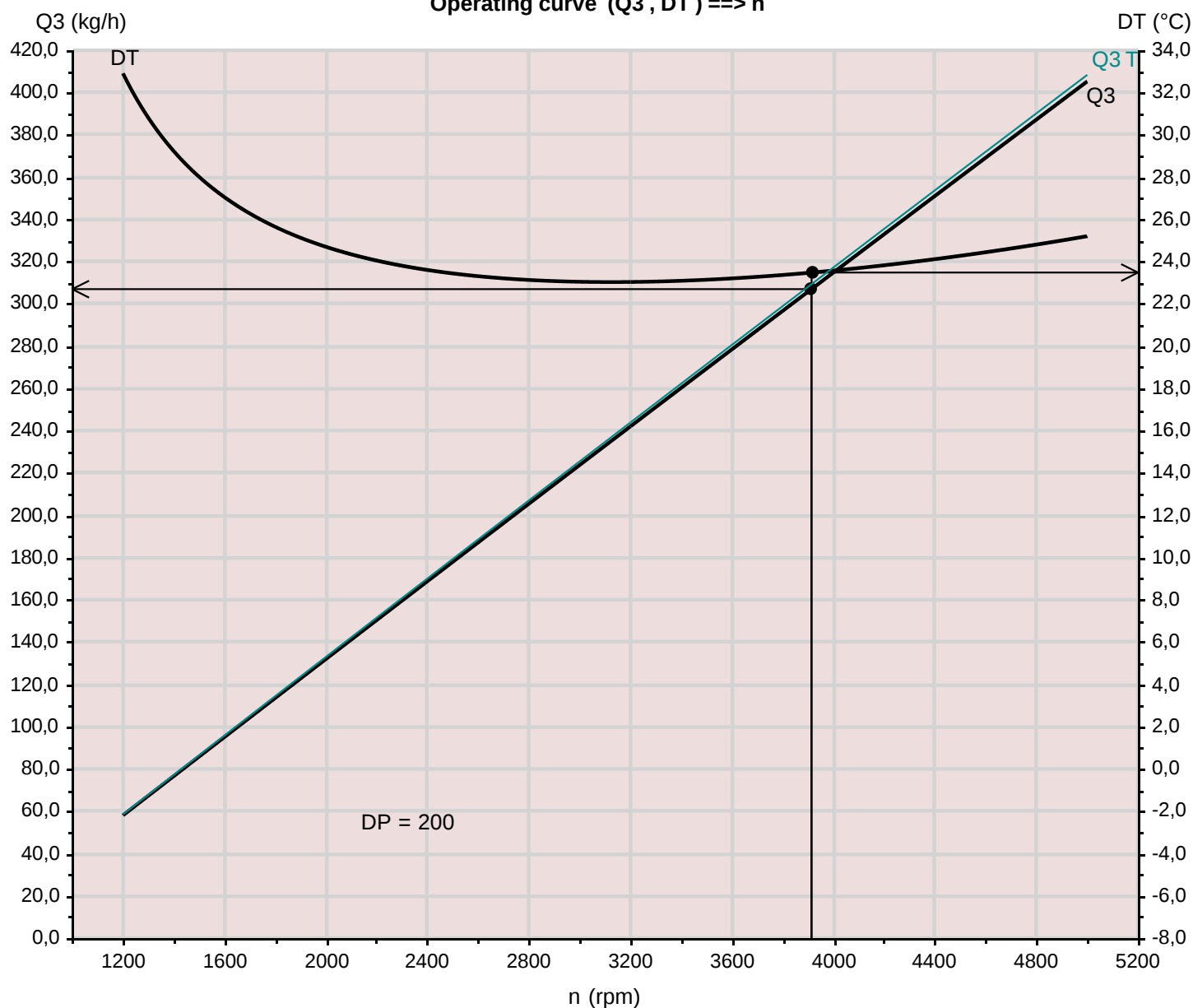
Fluid	: Atmospheric air				
Spec. W.ght (kg/m ³)	: 1.199	Spec. Heat Cp (kJ/kg°C)	: 1.010	Spec. Heat Cv (kJ/kg°C)	: 0.723
Altitude (m)	: 0	Pressure (mbar)	: 1,013	Temperature (°C)	: 20
Relative humidity (%)	: 50				

OPERATION POINT

Inlet press. (mbar a)	P1 : 1,013	Inlet temp.(°C)	T1 : 30	Spec.W.ght (kg/m ³)	SW : 1.160
Delivery (kg/h)	Q3 : 307	Dif.pressure (mbar)	DP : 200	Cp / Cv	: 1.4
Temp.rise(°C)	DT : 23	Speed (rpm)	n : 3,914	n/nmax (%)	: 78

Performances tolerances following the Robuschi procedure TE1.S.0015 (Q1 = ±5% * nm_x/n ; N = ± 5%)

Operating curve (Q3 , DT) ==> n



MODEL : ES 25 /1.5 P

Quantity :

GENERAL DATA

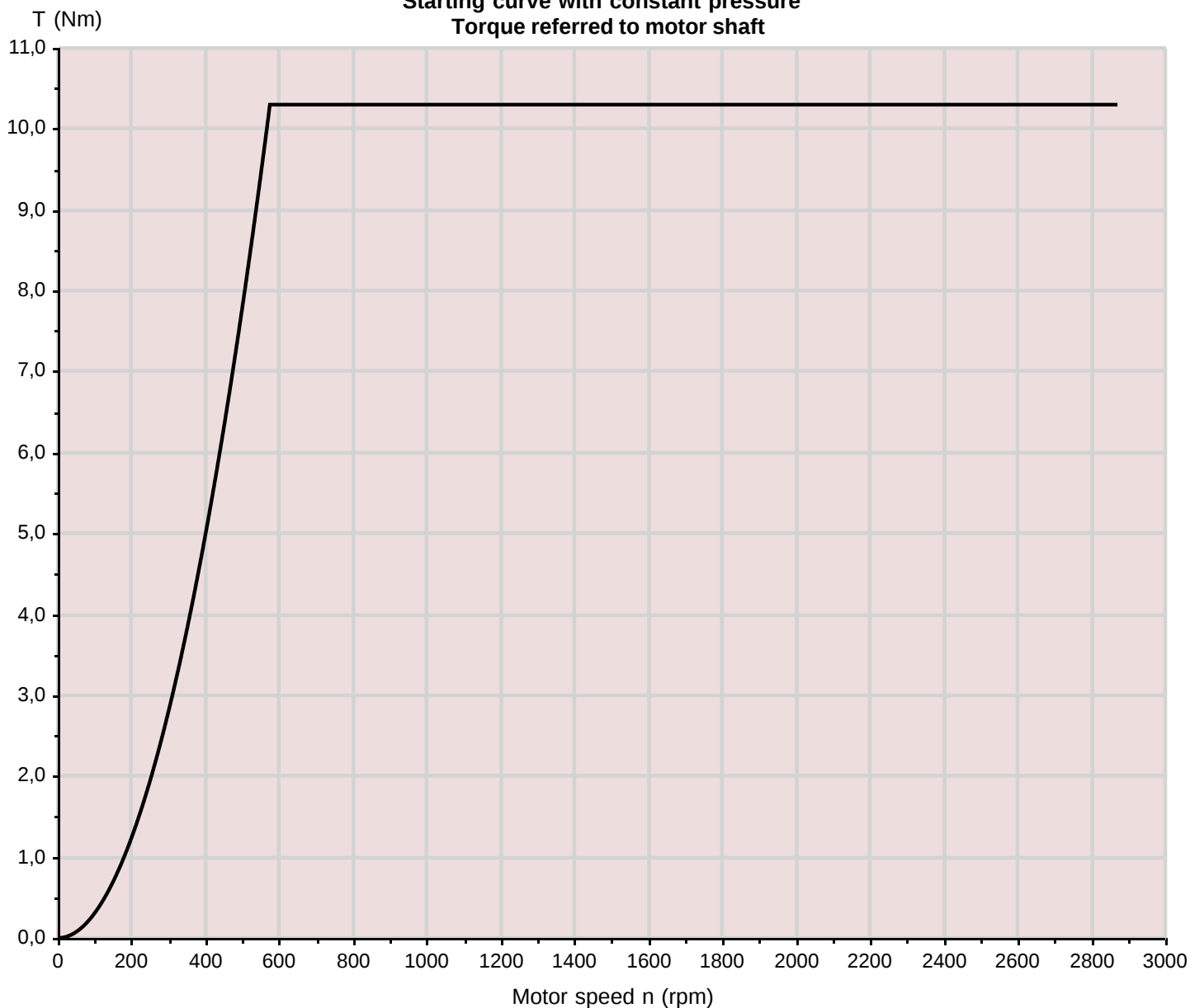
Ref.	: EGG	Plant	: Vs. rif. 2023878
Customer	: PARTELLI	Item	:
		Service	: Waste water treatment

TECHNICAL DATA

Blower	: ES 25 /1.5 P	Power (kW)	: 3.0	Speed (rpm)	: 3,914	J (kgm ²)	: 0.010
Motor	: 112M	Power (kW)	: 4.0	Speed (rpm)	: 2,870	J (kgm ²)	: 0.008
Motor Pulley	: 2 XPZ	Diameter (mm)	: 180			J (kgm ²)	: 0.000
Blower Pulley	: 2 XPZ	Diameter (mm)	: 132			J (kgm ²)	: 0.000
Mot. Coupling	:	Size	:			J (kgm ²)	: 0.000
Gear box	:					J (kgm ²)	: 0.000
Blower coupling	:	Size	:			J (kgm ²)	: 0.000

Torque at motor shaft T (Nm) : 10.3**V-belt load (N): 172****J tot. (kgm²) : 0.027**

Starting curve with constant pressure
Torque referred to motor shaft



MODEL : **ES 25 /1.5 P**

Quantity :

GENERAL DATA

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Customer	: PARTELLI	Item	:
		Service	: Waste water treatment

TECHNICAL DATA

Blower	: ES 25 /1.5 P	Power (kW)	: 3.0	Speed (rpm)	: 3,914	J (kgm ²)	: 0.010
Motor	: 112M	Power (kW)	: 4.0	Speed (rpm)	: 2,870	J (kgm ²)	: 0.008
Motor Pulley	: 2 XPZ	Diameter (mm)	: 180			J (kgm ²)	: 0.000
Blower Pulley	: 2 XPZ	Diameter (mm)	: 132			J (kgm ²)	: 0.000
Mot. Coupling	:	Size	:			J (kgm ²)	: 0.000
Gear box	:					J (kgm ²)	: 0.000
Blower coupling	:	Size	:			J (kgm ²)	: 0.000

Torque at motor shaft T (Nm) : **10.3****V-belt load (N):** 172**J tot. (kgm²)** : **0.027**

Starting curve with variable pressure
Torque referred to motor shaft

