

# TOHKEMY AGITATOR



## Model NKA Portable Medium-speed Type (Gear reduction)

### STRONG POINTS

- Small and light
- Easy installation
- Smooth but strong mixing
- Maintenance free

**Attention!**

**Racing prohibited!**

### Standard specifications

Model No.	Motor		Revolution (min <sup>-1</sup> )		Three-blade PROPELLER	SHAFT (STANDARD)
	OUTPUT (kW)	POLE (P)	50Hz	60Hz		
NKA4 - 001	0.1	4	300	360	φ 200×1	φ 16× 800L
NKA4 - 002	0.2				φ 250×1	φ 19×1000L
NKA4 - 004	0.4				φ 300×1	φ 22×1200L
NKA4 - 007	0.75				φ 350×1	φ 25×1400L
NKA4 - 015	1.5				φ 350×2	φ 30×1500L

\* Motor spec. 0.1kw : TE TYPE, 0.2—1.5kw : TEFC TYPE

## Model NTA Top-entering Medium-speed Type (Gear reduction)

### STRONG POINTS

- Small and light
- Simple form
- Smooth but strong mixing
- Maintenance free

*New!*

New arrival of 3.7kw type

**Attention!**

**Racing prohibited!**

### Standard Specifications

Model No.	Motor		Revolution (min <sup>-1</sup> )		Three-blade PROPELLER	SHAFT (STANDARD)
	OUTPUT (kW)	POLE (P)	50Hz	60Hz		
NTA4 - 001	0.1	4	300	360	φ 200×1	φ 16× 800L
NTA4 - 002	0.2				φ 250×1	φ 19×1000L
NTA4 - 004	0.4				φ 300×1	φ 22×1200L
NTA4 - 007	0.75				φ 350×1	φ 25×1500L
NTA4 - 015	1.5				φ 350×2	φ 30×1650L
NTA4 - 022	2.2				φ 400×2	φ 35×1800L
NTA4 - 037	3.7				φ 450×2	φ 40×2000L

\* Motor spec. 0.1kw : TE TYPE, 0.2—1.5kw : TEFC TYPE

\* 6-pole motor can be installed in 0.4kW or bigger model.





## Model NTB Top-entering Medium-speed Type (Belt reduction)

### STRONG POINTS

- Wide variation from small to large type
- Smooth and strong mixing by V-belt
- Durable and easy maintenance

**Attention!**

**Racing prohibited!**

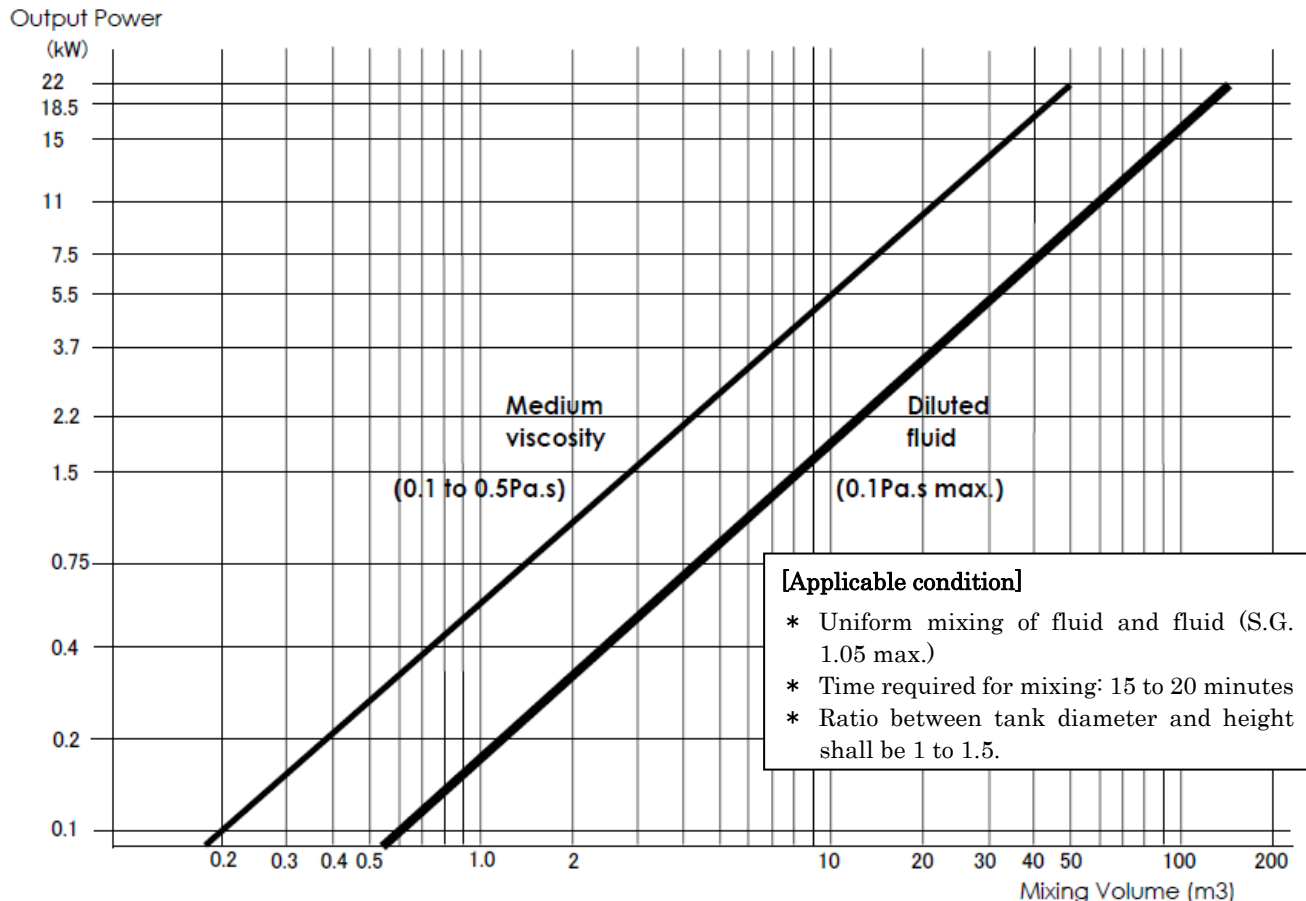
### Standard Specifications

Model No.	Motor		Revolution (min <sup>-1</sup> )		Three-blade PROPELLER	SHAFT (STANDARD)
	OUTPUT (kW)	POLE (P)	50Hz			
			50Hz	60Hz		
NTB4 - 001	0.1	4	300	360	φ 200×1	φ 16× 800L
NTB4 - 002	0.2				φ 250×1	φ 19×1000L
NTB4 - 004	0.4				φ 300×1	φ 22×1200L
NTB4 - 007	0.75				φ 350×1	φ 25×1500L
NTB4 - 015	1.5				φ 350×2	φ 30×1650L
NTB4 - 022	2.2				φ 400×2	φ 35×1800L
NTB4 - 037	3.7				φ 450×2	φ 40×2000L
NTB4 - 055	5.5				φ 500×2	φ 50×2200L
NTB4 - 075	7.5				φ 550×2	φ 60×2500L
NTB4 - 110	11				φ 600×2	φ 70×2700L
NTB4 - 150	15				φ 650×2	φ 80×2800L
NTB4 - 185	18.5				φ 700×2	φ 90×3000L
NTB4 - 220	22				φ 750×2	φ 100×3000L

\* Motor spec. 0.1kw : TE TYPE, 0.2–22kw : TEFC TYPE

\* 6-pole motor can be installed in 0.4kW or bigger model.

## Mixing Volume and Output Power of Medium-speed Type (Reference)



## Model NTC Top-entering Reducer-mounting Low-speed type

### STRONG POINTS

- Wide variation from small to large type  
Motor output: 0.1kW to 30kW
- Covering wide revolution range  
Reduction ratio 1/87: 16.7min<sup>-1</sup>/50Hz, 20.1min<sup>-1</sup>/60Hz  
Reduction ratio 1/6: 242min<sup>-1</sup>/50Hz, 292min<sup>-1</sup>/60Hz
- Stable against operating load fluctuations
- Wide mixing operation

### Standard Specifications (0.1 to 7.5kW)

Typical models

Model No.	Motor		Revolution (min <sup>-1</sup> )		Two-blade PADDLE (STANDARD)	SHAFT (STANDARD)
	OUTPUT (kW)	POLE (P)	50Hz	60Hz		
NTC4 - 001 - 15	0.1	4	96.7	117	φ 300×2	φ 20×1200L
NTC4 - 001 - 25			58.0	70.0	φ 400×2	φ 20×1500L
NTC4 - 001 - 29			50.0	60.3	φ 450×2	
NTC4 - 001 - 43			33.7	40.7	φ 600×2	
NTC4 - 002 - 15	0.2	4	96.7	117	φ 350×2	φ 20×1200L
NTC4 - 002 - 25			58.0	70.0	φ 500×2	φ 20×1400L
NTC4 - 002 - 29			50.0	60.3	φ 550×2	φ 20×1500L
NTC4 - 002 - 43			33.7	40.7	φ 700×2	
NTC4 - 004 - 15	0.4	4	96.7	117	φ 400×2	φ 25×1300L
NTC4 - 004 - 25			58.0	70.0	φ 550×2	φ 25×1500L
NTC4 - 004 - 29			50.0	60.3	φ 650×2	
NTC4 - 004 - 43			33.7	40.7	φ 800×2	φ 30×1800L
NTC4 - 007 - 15	0.75	4	96.7	117	φ 450×2	φ 30×1500L
NTC4 - 007 - 25			58.0	70.0	φ 650×2	φ 30×1800L
NTC4 - 007 - 29			50.0	60.3	φ 750×2	
NTC4 - 007 - 43			33.7	40.7	φ 900×2	
NTC4 - 015 - 15	1.5	4	96.7	117	φ 550×2	φ 40×1800L
NTC4 - 015 - 25			58.0	70.0	φ 750×2	
NTC4 - 015 - 29			50.0	60.3	φ 850×2	
NTC4 - 015 - 43			33.7	40.7	φ 1050×2	
NTC4 - 022 - 15	2.2	4	96.7	117	φ 600×2	φ 40×1800L
NTC4 - 022 - 25			58.0	70.0	φ 850×2	φ 40×2000L
NTC4 - 022 - 29			50.0	60.3	φ 950×2	φ 45×2200L
NTC4 - 022 - 43			33.7	40.7	φ 1200×2	φ 50×2500L
NTC4 - 037 - 15	3.7	4	96.7	117	φ 700×2	φ 45×2200L
NTC4 - 037 - 25			58.0	70.0	φ 950×2	φ 50×2500L
NTC4 - 037 - 29			50.0	60.3	φ 1050×2	
NTC4 - 037 - 43			33.7	40.7	φ 1350×2	
NTC4 - 055 - 15	5.5	4	96.7	117	φ 750×2	φ 50×2200L
NTC4 - 055 - 25			58.0	70.0	φ 1050×2	φ 60×2500L
NTC4 - 055 - 29			50.0	60.3	φ 1150×2	
NTC4 - 055 - 43			33.7	40.7	φ 1450×2	φ 70×2500L
NTC4 - 075 - 15	7.5	4	96.7	117	φ 800×2	φ 60×2400L
NTC4 - 075 - 25			58.0	70.0	φ 1100×2	φ 70×2500L
NTC4 - 075 - 29			50.0	60.3	φ 1250×2	
NTC4 - 075 - 43			33.7	40.7	φ 1550×2	



## Standard Specifications (11 to 30 kW)

Typical models

Model No.	Motor		Revolution (min <sup>-1</sup> )		Two-blade PADDLE (STANDARD)	SHAFT (STANDARD)
	OUTPUT (kW)	POLE (P)	50Hz	60Hz		
NTC4 - 110 - 15	11	4	96.7	117	φ 850×2	φ 70×2500L
NTC4 - 110 - 25			58.0	70.0	φ 1250×2	
NTC4 - 110 - 29			50.0	60.3	φ 1350×2	
NTC4 - 110 - 43			33.7	40.7	φ 1650×2	
NTC4 - 150 - 15	15	4	96.7	117	φ 900×2	φ 70×2500L
NTC4 - 150 - 25			58.0	70.0	φ 1300×2	
NTC4 - 150 - 29			50.0	60.3	φ 1400×2	
NTC4 - 150 - 43			33.7	40.7	φ 1750×2	
NTC4 - 185 - 15	18.5	4	96.7	117	φ 950×2	φ 80×2700L
NTC4 - 185 - 25			58.0	70.0	φ 1350×2	
NTC4 - 185 - 29			50.0	60.3	φ 1450×2	
NTC4 - 185 - 43			33.7	40.7	φ 1850×2	
NTC4 - 220 - 15	22	4	96.7	117	φ 1000×2	φ 80×2700L
NTC4 - 220 - 25			58.0	70.0	φ 1400×2	
NTC4 - 220 - 29			50.0	60.3	φ 1500×2	
NTC4 - 220 - 43			33.7	40.7	φ 1950×2	
NTC4 - 300 - 15	30	4	96.7	117	φ 1100×2	φ 90×2900L
NTC4 - 300 - 25			58.0	70.0	φ 1450×2	
NTC4 - 300 - 29			50.0	60.3	φ 1600×2	φ 100×3200L
NTC4 - 300 - 43			33.7	40.7	φ 2100×2	

## Reduction Ratio and Revolution

Each model can be manufactured with below reduction ratios.

Reduction Ratio	Revolution (min <sup>-1</sup> )		Reduction Ratio	Revolution (min <sup>-1</sup> )	
	50Hz	60Hz		50Hz	60Hz
1/6	242	292	1/35 <sup>*1</sup>	41.4	50.0
1/8	181	219	1/51 <sup>*2</sup>	28.4	34.3
1/11	132	159	1/59	24.6	29.7
1/13	112	135	1/71 <sup>*3</sup>	20.4	24.6
1/17	85.3	103	1/87 <sup>*4</sup>	16.7	20.1
1/21	69.0	83.3			

\*1 Except for model NTC4-300.

\*2 Except for model NTC4-185, NTC4-220 and NTC4-300.

\*3 Except for model NTC4-150, NTC4-185, NTC4-220 and NTC4-300.

\*4 Except for model NTC4-220 and NTC4-300.



Designs and specifications are subject to change without notice.

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